
WATERBORNE

COMMERCE

OF THE

UNITED STATES

Calendar Year 1994

Part 4—
Waterways and Harbors
Pacific Coast, Alaska and Hawaii

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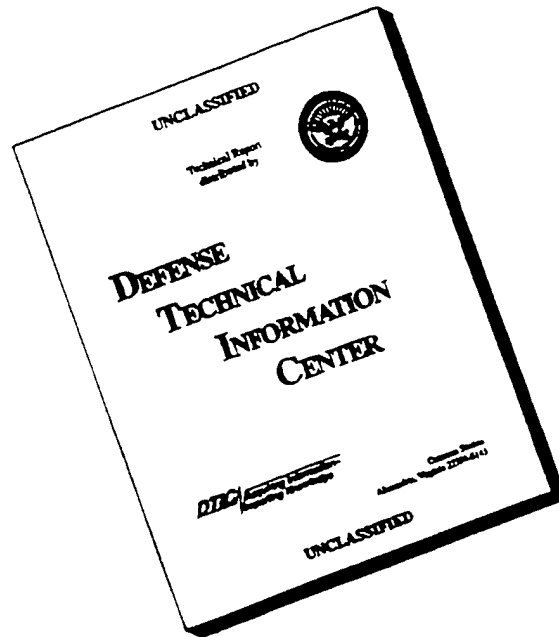


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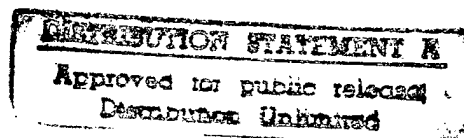


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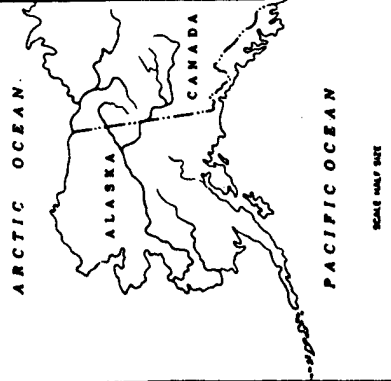


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PART 4

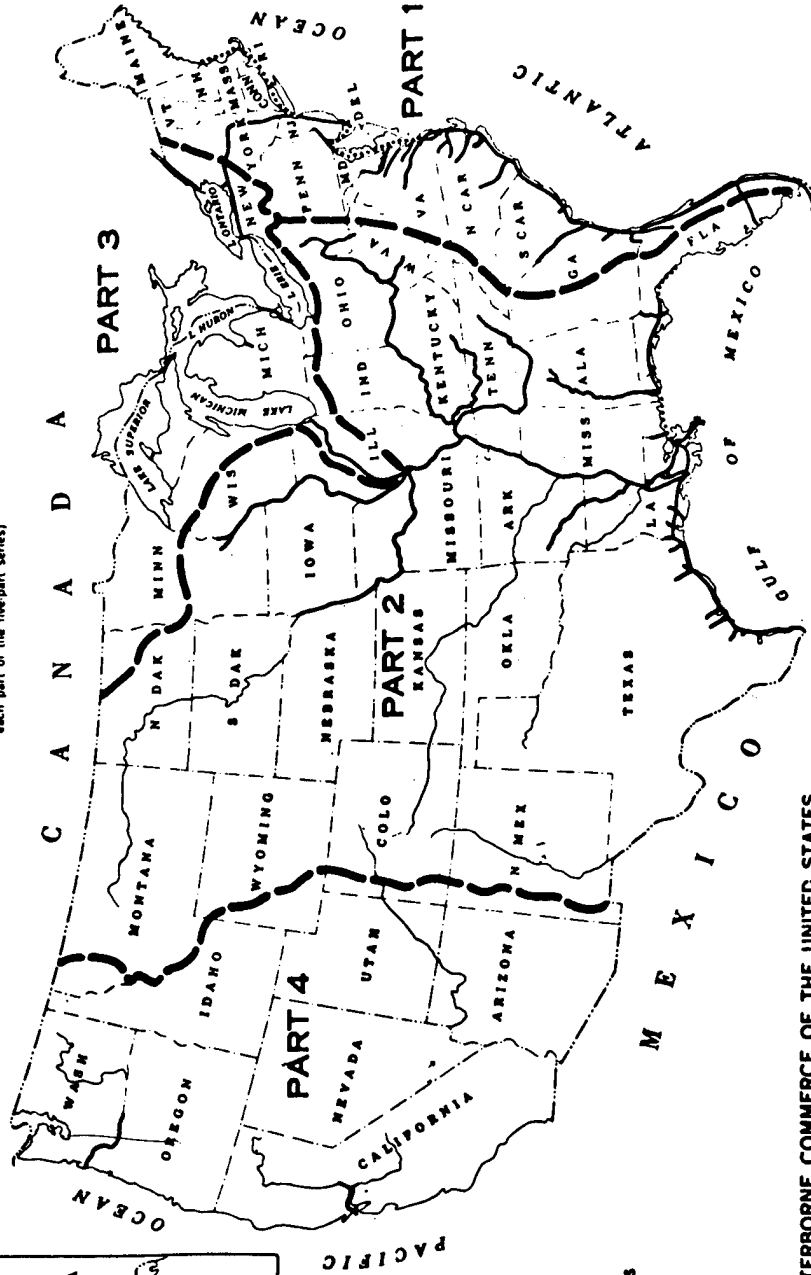


SCALE HALF SIZE

Geographical Areas Covered by Waterborne Commerce Statistics Publications of the

DEPARTMENT OF THE ARMY CORPS OF ENGINEERS

(Heavy broken lines indicate the limits embraced by each part of the five-part series)



INLAND WATERWAYS LEGEND

- PRINCIPAL IMPROVED WATERWAYS
- (IN OPEN WATER)

PART 4

PACIFIC OCEAN



WATERBORNE COMMERCE OF THE UNITED STATES

- Part 1 - Atlantic Coast
- Part 2 - Gulf Coast, Mississippi River System and Antilles
- Part 3 - Great Lakes
- Part 4 - Pacific Coast, Alaska and Hawaii
- Part 5 - Waterborne Commerce of the United States
(National Summary)

PART 2

ATLANTIC OCEAN



CARIBBEAN SEA

PART 5

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Introduction

General

Waterborne Commerce of the United States, WCUS, Part 4 is one of a series of publications which provides statistics on the foreign and domestic waterborne commerce moved on the United States waters. WCUS, Parts 1-4 present detailed data on the movements of vessels and commodities at the ports and harbors and on the waterways and canals of the United States, the Commonwealth of Puerto Rico, and the Virgin Islands.

The publication numbers and the geographical areas covered in WCUS, Parts 1-5 are detailed below:

WCUS, Part 1 Atlantic Coast

WCUS, Part 2 Gulf Coast, Mississippi River System and Antilles

WCUS, Part 3 Great Lakes

WCUS, Part 4 Pacific Coast, Alaska and Hawaii

WCUS, Part 5 National Summaries

Legal Authority

The legal authority for the collection, compilation and publication of waterborne commerce statistics by the Army Corps of Engineers is Section 11 of the Rivers and Harbors Appropriations Act of 1922 (42 Stat. 1043), as amended, and codified in 33 U.S.C. 555 and provides the following:

Owners, agents, masters, and clerks of vessels and other craft plying upon the navigable waters of the United States, and all individuals and corporations engaged in transporting their own goods upon the navigable waters of the United States, shall furnish such statements relative to vessels, passengers, freight and tonnage as may be required by the Secretary of the Army: Provided. That this provision shall not apply to those rafting logs, except upon a

direct request upon the owner to furnish specific information.

Every person or persons offending against the provisions of this section shall, for each and every offense, be liable to a fine of not more than \$5,000 or imprisonment not exceeding two months, to be enforced in any district court of the United States within whose territorial jurisdiction such offense may have been committed. In addition, the Secretary may assess a civil penalty of up to \$2,500 per violation against any person or entity, that fails to provide timely, accurate statements required to be submitted pursuant to this section by the Secretary.

The vessel and commodity movement information collected and compiled is designed to meet the data requirements of the Department of the Army in connection with the duties assigned by Congress. These data also provide valuable information for other governmental departments, commercial and shipping concerns and others interested in the U.S. transportation industry.

Domestic Commerce

Contiguous and non-contiguous states and territories constitute the geographical space upon which domestic commerce may be transported. This includes Hawaii, Alaska, the 48 contiguous states, Puerto Rico and the Virgin Islands, Guam, American Samoa, Wake Island and the U.S. Trust Territories.

The waterborne traffic movements are reported to the Corps of Engineers by all vessel operators of record on ENG Forms 3925 and 3925b (or equivalent) approved by the Office of Management and Budget under the Paperwork Reduction Act (44 U.S.C. 3510(a)). The reports are generally submitted on the basis of individual

vessel movements completed. For movements with cargo, the point of loading and the point of unloading of each individual commodity must be delineated. Cargo moved for the military agencies in commercial vessels is reported as ordinary commercial cargo; military cargo movements in Department of Defense vessels are not collected.

In summarizing the domestic commerce certain movements are excluded: Cargo carried on general ferries; coal and petroleum products loaded from shore facilities directly into bunkers of vessels for fuel; and insignificant amounts of government materials (less than 100 tons) moved on government owned equipment in support of Corps projects.

The fish landing data is furnished by the National Marine Fisheries Service. No domestic fishing vessel trips are included in the trip and draft data of the Trips and Drafts Section.

Foreign Commerce

Foreign commerce is waterborne import and export traffic between the United States, Puerto Rico and the Virgin Islands and any foreign country. These statistics do not include traffic between Guam, Wake Island and American Samoa and any other foreign country.

Foreign commerce data are furnished to the Corps of Engineers by the Bureau of the Census under a working arrangement sponsored by the Office of Management and Budget. The data are confined to vessel movements by water and are reconcilable with published reports of the Bureau of Census with the exception of LOOP Oil Terminal and Skagway Wharf reports which are manually entered as imports by the Corps of Engineers.

The Republic of Panama is considered a foreign country. However, individual vessel movements with origin and destination at United States ports traveling via the Panama Canal are considered domestic traffic. Alaskan crude oil (origin at Valdez, AK) shipped via the Panama pipeline (west to east) and destined for gulf and east coast ports is also considered domestic commerce.

Import and export shipments for use of the United States Armed Forces abroad are not reported to WCSC. Beginning with calendar year 1989 shipments under the military assistance

program of the Department of Defense are included in the statistics under the appropriate commodity code. In prior years these cargoes were given as commodity code 9999.

Commodity Descriptions

The first two digits of the WCSC publication codes correspond with the Lock Performance Monitoring System, LPMS, commodity codes. Both LPMS and WCSC codes were standardized to reflect the hierarchical structure of the Standard Industrial Trade Classification (SITC) Revision 3 commodity codes. SITC, Rev. 3 commodity codes conform to the Harmonized Commodity Description and Coding System (HS). Using SITC, Rev. 3 allows direct comparisons with U.S. imports and exports, as well as, with commodity movements of other countries.

Tonnage

The tonnage figures provided throughout the Waterborne Commerce of the United States (WCUS) Parts 1-5 represent short tons (2000 pounds). Tonnage figures are rounded to the nearest 1000 tons.

A zero represents less than 500 tons but more than zero. Dashes mean zero tons. Columns and rows may not add up exactly to totals and subtotals due to rounding.

Some freight tables have "Total" and "Grand Total". The "Total" means that in some cases it is the total for domestic or foreign and Canadian traffic. The "Grand Total" specifically represents the sum total of all the different traffics, including all domestic and foreign traffic. If a particular column or traffic type has only dashes and zeroes in the tonnage fields for that entire freight table then that column (traffic type) will not print.

Ton-Miles

For lakewise domestic movements, ton-miles equal the cargo tonnage times the distance between the U.S. Great Lakes ports. For overseas imports and exports, foreign ton-miles are computed by multiplying the cargo tonnage by the miles carried on U.S. waterways and channels. Ton-miles are rounded to the nearest 1000 ton-miles. The ton-mile data appears in the publication by traffic type at the end of a

particular freight table for a given project. Since there are columns that will not print (see tonnage above) the ton-miles associated with these columns will likewise not be included in the total ton-miles for that particular freight table. They will be included in "Ton-miles All Traffic" at the end of the project.

Trips

A trip is a vessel movement. For self-propelled vessels, a trip is logged between every point of departure and every point of arrival. For loaded barges, a trip is logged from the point of the loading of the barge to the point of unloading of the barge (i.e., excluding fleeting areas). For empty barges, trips are logged from point of unloading to the point of loading counting the fleeting areas in between (e.g. if an empty barge moved from Dock A to Dock B and the barge stopped at three fleeting areas in between, then 4 trips are logged.)

Some towboat trips and empty barge moves are estimated from a sample to expedite processing and reduce costs. Even with sampling, however, the number of towboat trips

are calculated from more than 70% of the total number of towboat moves reported, and the number of barge trips are derived from more than 85% of the total number of barge trips reported.

The number of trips also includes vessels engaged in foreign trade. These moves are furnished by the Bureau of Census who process the data collected on U.S. Customs entrance and clearance forms.

To more accurately reflect actual traffic patterns (e.g. inbound versus outbound trip counts), some adjustments are made to the trip counts in the trip and draft tables in this publication.

Special Interest

... For calendar year 1994, the State of California did not furnish the fish statistics in time for this printing.

... Passenger totals are not included in this publication but are available on request.

Terminology

Types of Traffic

Foreign

Imports

Overseas: Inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses originating in foreign countries other than Canada.

Canadian: Inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses originating in Canada.

Exports

Overseas: Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone destined for foreign countries other than Canada.

Canadian: Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone destined for Canada.

Intransit Merchandise: Inbound merchandise coming into the United States from a foreign country and shipped to a foreign country without having been entered as an import. Intransit merchandise is treated as an **Import** when unloaded from a vessel and as an **Export** when loaded onto a vessel.

Domestic

Coastwise: Domestic traffic receiving a carriage over the ocean, or the Gulf of Mexico, (e.g. New Orleans to Baltimore, New York to Puerto Rico, San Francisco to Hawaii, Alaska to Hawaii). Traffic between Great Lakes ports and seacoast ports, when having a carriage over the ocean, is also termed **Coastwise**.

Lakewise: Waterborne traffic between the United States ports on the Great Lakes System. The Great Lakes System is treated as a separate waterway system rather than as a part of the inland waterway system. In comparing historical data for the Great Lakes System, one should note that prior to calendar year 1990, marine products, sand and gravel being moved from the Great Lakes to Great Lake destinations were classified as local traffic. From 1990 on, these activities are classified as lakewise traffic.

Internal: Vessel movements (origin and destination) which take place solely on inland waterways. An inland waterway is one geographically located within the boundaries of the contiguous 48 states or within the boundaries of the State of Alaska.

The term "internal traffic" is also applied to these vessel movements: those which involve carriage on both inland waterways and the Great Lakes; those occurring between offshore areas and inland waterways (e.g., oil rig supplies and fish); and those taking place within Delaware Bay, Chesapeake Bay, Puget Sound, and the San Francisco Bay, which are considered internal bodies of water rather than arms of the ocean.

Intraport: Movement of freight within the confines of a port whether the port has one or several arms or channels included in the port definition. This traffic type will not include car-ferries and general ferries moving within a port.

Through: Movements transiting a waterway, or stretch thereof, as defined in the project description of individual tables, and having origins and destinations outside of the defined area.

DTIC QUALITY INSPECTED 4

Intra-waterway: Movements within the limits of a river, waterway or canal. This traffic will not include car-ferries and general ferries moving within a waterway or Corps project.

Intra-territory: Traffic between ports in Puerto Rico and the Virgin Islands, U.S.A. which are considered a single unit.

Traffic Direction

Waterways

Upbound: Traffic that moves in an upstream direction. For waterways without a characteristic monodirectional flow (e.g. the Gulf Intracoastal Waterway), "upbound" means in a northerly or easterly direction.

Downbound: Traffic that moves in a downstream direction. For waterways without a characteristic monodirectional flow, "downbound" means in a southerly or westwardly direction.

Inbound: Traffic moving from one waterway into another where the destination is on the subject waterway.

Outbound: Traffic moving from one waterway into another where the origin is on the subject waterway.

Ports

Receipts: Traffic moving from one location to another where the destination is within the limits of the subject port.

Shipments: Traffic moving from one location to another where the origin is within the limits of the subject port.

Commodity Descriptions: The first two digits of the WCSC publication codes correspond with the Lock Performance Monitoring System, LPMS, commodity codes. Both LPMS and WCSC codes were standardized to reflect the hierarchical structure of the Standard Industrial Trade Classification (SITC) Revision 3 commodity codes. SITC, Rev. 3 commodity codes conform to the Harmonized Commodity Description and Coding System (HS). Using SITC, Rev. 3 allows direct comparisons with U.S. imports and exports, as well as with commodity movements of other countries.

Tons: The tonnage figures provided throughout the Waterborne Commerce of the United States (WCUS) Parts 1-5 represent short tons (2000 pounds).

Where noted tonnage figures are rounded to the nearest thousand tons. A zero represents less than 500 tons but more than zero. Dashes mean zero tons. Columns and rows may not add up exactly to totals and subtotals due to rounding.

Ton-miles: Water carriage ton-miles were first compiled and published in calendar year 1962. The distances used are statute miles. Domestic ton-miles are calculated by multiplying the tons of commerce being moved by the number of miles actually moved on the water (e.g. 50 short tons moving 200 miles on a particular waterway would yield ten thousand ton-miles for that waterway). The ton-mile parameter measures the total performance of a waterway. Ton-miles are not computed for ports.

For coastwise traffic this represents the mileage on the shortest route that safe navigation permits between the point of origin and destination. The source of this distance information for coastwise traffic is the publication, Distance Between United States Ports, published by the National Oceanic and Atmospheric Administration (1987).

For rivers and inland waterways the distances were computed from waterway survey maps and records of the Corps of Engineers.

For the Great Lakes system the ton-miles are computed for movements of cargo west of the international boundary of St. Regis, Quebec, Canada to head of the lakes at Duluth/Superior.

For Canadian imports and exports, foreign ton-miles are computed as the tonnage times the distance between the U.S. and Canadian ports.

For lakewise domestic movements, ton-miles equal the cargo tonnage times the distance between the U.S. Great Lakes ports.

For overseas imports and exports, foreign ton-miles are computed by multiplying the cargo tonnage by the miles carried on U.S. waterways and channels.

Ton-miles are rounded to the nearest thousand.

Trans-Shipments: Ports and offshore anchorages where cargo is moved from one vessel to another.

These are: St. Lucia, Virgin Islands; Heald Bank off LA-TX coast; Chirqui Grande, Panama; Puerto Armuelles, Panama; and Hondo Platform-Pacific Ocean.

Commodity Classification List

<u>Major Grouping</u>	<u>Minor Grouping</u>	<u>Pub Group Pub Name</u>	<u>Major Grouping</u>	<u>Minor Grouping</u>	<u>Pub Group Pub Name</u>
00	Units				3282 Pigments & Paints
	0200	Vehicles			3283 Coloring Mat. NEC
	0300	Passengers			3284 Medicines
10	Coal				3285 Perfumes & Cleansers
	1100	Coal			3286 Plastics
	1200	Coal Coke			3291 Pesticides
20	Petroleum & Petroleum Products				3292 Starches,Gluten,Glue
	21	Crude Petroleum			3293 Explosives
	2100	Crude Petroleum			3297 Chemical Additives
	22-29	Petroleum Products			3298 Wood & Resin Chem.
	2211	Gasoline			3299 Chem. Products NEC
	2221	Kerosene	40	Crude Materials, Inedible Except Fuels	
	2330	Distillate Fuel Oil		41	Forest Products, Wood and Chips
	2340	Residual Fuel Oil		4110	Rubber & Gums
	2350	Lube Oil & Greases		4150	Fuel Wood
	2410	Petro. Jelly & Waxes		4161	Wood Chips
	2429	Naphtha & Solvents		4170	Wood in the Rough
	2430	Asphalt, Tar & Pitch		4189	Lumber
	2540	Petroleum Coke		4190	Forest Products NEC
	2640	Liquid Natural Gas	42	Pulp and Waste Paper	
	2990	Petro. Products NEC		4225	Pulp & Waste Paper
30	Chemicals and Related Products		43	Soil, Sand, Gravel, Rock and Stone	
	31	Fertilizers		4310	Building Stone
	3110	Nitrogenous Fert.		4322	Limestone
	3120	Phosphatic Fert.		4323	Gypsum
	3130	Potassic Fert.		4327	Phosphate Rock
	3190	Fert. & Mixes NEC		4331	Sand & Gravel
	32	Other Chemicals and Related Products		4333	Dredged Material
	3211	Acyclic Hydrocarbons		4335	Waterway Improv. Mat
	3212	Benzene & Toluene		4338	Soil & Fill Dirt
	3219	Other Hydrocarbons	44	Iron Ore and Scrap	
	3220	Alcohols		4410	Iron Ore
	3230	Carboxylic Acids		4420	Iron & Steel Scrap
	3240	Nitrogen Func. Comp.	45	Marine Shells	
	3250	Organo-Inorgan Comp		4515	Marine Shells
	3260	Organic Comp. NEC	46	Non-Ferrous Ores and Scrap	
	3271	Sulphur (Liquid)		4630	Copper Ore
	3272	Sulphuric Acid		4650	Aluminum Ore
	3273	Ammonia		4670	Manganese Ore
	3274	Sodium Hydroxide		4680	Non-Ferrous Scrap
	3275	Inorg. Elem.,Oxides, & Halogen Salts		4690	Non-Ferrous Ores NEC
	3276	Metallic Salts	47	Sulphur, Clay and Salt	
	3279	Inorganic Chem. NEC		4741	Sulphur, (Dry)
	3281	Radioactive Material		4782	Clay & Refrac. Mat.
				4783	Salt
			48	Slag	
				4860	Slag
			49	Other Non-Metal. Min.	
				4900	Non-Metal. Min. NEC

Commodity Classification List (continued)

Major Grouping

Minor Grouping

Pub Group Pub Name

- 50 Primary Manufactured Goods
 - 51 Paper Products
 - 5110 Newsprint
 - 5120 Paper & Paperboard
 - 5190 Paper Products NEC
 - 52 Lime, Cement and Glass
 - 5210 Lime
 - 5220 Cement & Concrete
 - 5240 Glass & Glass Prod.
 - 5290 Misc. Mineral Prod.
 - 53 Primary Iron and Steel Products
 - 5312 Pig Iron
 - 5315 Ferro Alloys
 - 5320 I&S Primary Forms
 - 5330 I&S Plates & Sheets
 - 5360 I&S Bars & Shapes
 - 5370 I&S Pipe & Tube
 - 5390 Primary I&S NEC
 - 54 Primary Non-Ferrous Metal Products
 - 5421 Copper
 - 5422 Aluminum
 - 5429 Smelted Prod. NEC
 - 5480 Fab. Metal Products
 - 55 Primary Wood Products; Veneer
 - 5540 Primary Wood Prod.
- 60 Food and Farm Products
 - 61 Fish
 - 6134 Fish (Not Shellfish)
 - 6136 Shellfish
 - 62-64 Grain
 - 6241 Wheat
 - 6344 Corn
 - 6442 Rice
 - 6443 Barley & Rye
 - 6445 Oats
 - 6447 Sorghum Grains
 - 65 Oilseeds
 - 6521 Peanuts
 - 6522 Soybeans
 - 6534 Flaxseed
 - 6590 Oilseeds NEC
 - 66 Vegetable Products
 - 6653 Vegetable Oils
 - 6654 Vegetables & Prod.
 - 67 Processed Grain and Animal Feed
 - 6746 Wheat Flour
 - 6747 Grain Mill Products
 - 6781 Hay & Fodder
 - 6782 Animal Feed, Prep.

Major Grouping

Minor Grouping

Pub Group Pub Name

- 68 Other Agricultural Products
 - 6811 Meat, Fresh, Frozen
 - 6817 Meat, Prepared
 - 6822 Dairy Products
 - 6835 Fish, Prepared
 - 6838 Tallow, Animal Oils
 - 6839 Animals & Prod. NEC
 - 6856 Bananas & Plantains
 - 6857 Fruit & Nuts NEC
 - 6858 Fruit Juices
 - 6861 Sugar
 - 6865 Molasses
 - 6871 Coffee
 - 6872 Cocoa Beans
 - 6885 Alcoholic Beverages
 - 6887 Groceries
 - 6888 Water & Ice
 - 6889 Food Products NEC
 - 6891 Tobacco & Products
 - 6893 Cotton
 - 6894 Natural Fibers NEC
 - 6899 Farm Products NEC
- 70 All Manufactured Equipment, Machinery and Products
 - 7110 Machinery (Not Elec)
 - 7120 Electrical Machinery
 - 7210 Vehicles & Parts
 - 7220 Aircraft & Parts
 - 7230 Ships & Boats
 - 7300 Ordnance & Access.
 - 7400 Manufac. Wood Prod.
 - 7500 Textile Products
 - 7600 Rubber & Plastic Pr.
 - 7800 Empty Containers
 - 7900 Manufac. Prod. NEC
- 80 Waste and Scrap NEC
 - 8900 Waste and Scrap NEC
- 90 Unknown or Not Elsewhere Classified
 - 99 Unknown or Not Elsewhere Clsfd
 - 9900 Unknown or NEC

Section 1 Freight Traffic

SAN DIEGO HARBOR, CA

Section Included: Entire harbor. Controlling and Project Depths: 42 feet in entrance channel; 30 to 42 feet in Bay Channel, and turning basin 26 to 35 feet in anchorage areas; 10 to 16 feet in other channels and areas.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	2,873	1990	1,280
1986	2,344	1991	904
1987	2,956	1992	638
1988	2,017	1993	1,294
1989	1,741	1994	1,167

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Coastwise	Internal
					Receipts	Receipts	Receipts
Total, all commodities	1,167	245	600	60	262	184	78
Total petroleum and petroleum products	125	40	10	-----	75	75	-----
Subtotal petroleum products	125	40	10	-----	75	75	-----
2211 gasoline	28	-----	-----	-----	28	28	-----
2330 distillate fuel oil	2	-----	-----	-----	2	2	-----
2340 residual fuel oil	86	40	-----	-----	46	46	-----
2350 lube oil & greases	0	-----	0	-----	-----	-----	-----
2430 asphalt, tar & pitch	0	-----	0	-----	-----	-----	-----
2540 petroleum coke	10	-----	10	-----	-----	-----	-----
Total chemicals and related products	672	119	553	-----	-----	-----	-----
Subtotal fertilizers	170	119	51	-----	-----	-----	-----
3110 nitrogenous fert.	93	93	-----	-----	-----	-----	-----
3130 potassic fert.	51	-----	51	-----	-----	-----	-----
3190 fert. & mixes nec	26	26	0	-----	-----	-----	-----
Subtotal other chemicals and related products	502	0	502	-----	-----	-----	-----
3219 other hydrocarbons	0	-----	0	-----	-----	-----	-----
3220 alcohols	0	-----	0	-----	-----	-----	-----
3230 carboxylic acids	0	-----	0	-----	-----	-----	-----
3240 nitrogen func. comp.	0	-----	0	-----	-----	-----	-----
3250 organo- inorgan. comp	0	-----	0	-----	-----	-----	-----
3260 organic comp. nec	0	-----	0	-----	-----	-----	-----
3275 inorg. elem.,oxides, & halogen salts	0	-----	0	-----	-----	-----	-----
3276 metallic salts	495	-----	495	-----	-----	-----	-----
3282 pigments & paints	0	-----	0	-----	-----	-----	-----
3283 coloring mat. nec	0	-----	0	-----	-----	-----	-----
3284 medicines	0	-----	0	-----	-----	-----	-----
3285 perfumes & cleansers	0	0	0	-----	-----	-----	-----
3286 plastics	3	-----	3	-----	-----	-----	-----

SAN DIEGO HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity		Grand Total	Foreign		Canadian	Domestic		
			Imports	Exports	Imports	Total	Coastwise	Internal
							Receipts	Receipts
3291	pesticides	1	-----	1	-----	-----	-----	-----
3292	starches, gluten, glue	0	-----	0	-----	-----	-----	-----
3297	chemical additives	0	-----	0	-----	-----	-----	-----
3298	wood & resin chem.	0	-----	0	-----	-----	-----	-----
3299	chem. products nec	0	-----	0	-----	-----	-----	-----
Total crude materials, inedible except fuels		237	28	22	-----	187	108	78
Subtotal forest products, wood and chips		217	28	2	-----	187	108	78
4170	wood in the rough	2	-----	2	-----	-----	-----	-----
4189	lumber	109	-----	0	-----	108	108	-----
4190	forest products nec	106	28	0	-----	78	-----	78
Subtotal pulp and waste paper		6	-----	6	-----	-----	-----	-----
4225	pulp & waste paper	6	-----	6	-----	-----	-----	-----
Subtotal soil, sand, gravel, rock and stone		0	-----	0	-----	-----	-----	-----
4331	sand & gravel	0	-----	0	-----	-----	-----	-----
Subtotal non-ferrous ores and scrap		0	-----	0	-----	-----	-----	-----
4650	aluminum ore	0	-----	0	-----	-----	-----	-----
4690	non-ferrous ores nec	0	-----	0	-----	-----	-----	-----
Subtotal sulphur, clay and salt		3	-----	3	-----	-----	-----	-----
4782	clay & refrac. mat.	3	-----	3	-----	-----	-----	-----
Subtotal other non-metal. min.		11	-----	11	-----	-----	-----	-----
4900	non-metal. min. nec	11	-----	11	-----	-----	-----	-----
Total primary manufactured goods		68	4	4	60	-----	-----	-----
Subtotal paper products		63	-----	3	60	-----	-----	-----
5110	newsprint	60	-----	-----	60	-----	-----	-----
5120	paper & paperboard	3	-----	3	-----	-----	-----	-----
5190	paper products nec	0	-----	0	-----	-----	-----	-----
Subtotal lime, cement and glass		0	0	0	-----	-----	-----	-----
5290	misc. mineral prod.	0	0	0	-----	-----	-----	-----
Subtotal primary iron and steel products		3	3	0	-----	-----	-----	-----
5330	i&s plates & sheets	0	-----	0	-----	-----	-----	-----
5360	i&s bars & shapes	3	3	-----	-----	-----	-----	-----
5370	i&s pipe & tube	0	0	0	-----	-----	-----	-----
Subtotal primary non-ferrous metal products		1	0	1	-----	-----	-----	-----
5421	copper	0	-----	0	-----	-----	-----	-----
5422	aluminum	0	-----	0	-----	-----	-----	-----
5429	smelted prod. nec	0	-----	0	-----	-----	-----	-----
5480	fab. metal products	0	0	0	-----	-----	-----	-----

SAN DIEGO HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Coastwise	Internal
					Receipts	Receipts	Receipts
Total food and farm products	25	20	5	-----	-----	-----	-----
Subtotal oilseeds	0	-----	0	-----	-----	-----	-----
6521 peanuts	0	-----	0	-----	-----	-----	-----
Subtotal vegetable products	12	12	0	-----	-----	-----	-----
6653 vegetable oils	12	12	-----	-----	-----	-----	-----
6654 vegetables & prod.	0	-----	0	-----	-----	-----	-----
Subtotal processed grain and animal feed	0	-----	0	-----	-----	-----	-----
6747 grain mill products	0	-----	0	-----	-----	-----	-----
6782 animal feed, prep.	0	-----	0	-----	-----	-----	-----
Subtotal other agricultural products	12	8	5	-----	-----	-----	-----
6811 meat, fresh, frozen	0	0	0	-----	-----	-----	-----
6839 animals & prod. nec	0	-----	0	-----	-----	-----	-----
6857 fruit & nuts nec	10	7	4	-----	-----	-----	-----
6858 fruit juices	1	1	0	-----	-----	-----	-----
6889 food products nec	1	0	1	-----	-----	-----	-----
6891 tobacco & products	0	-----	0	-----	-----	-----	-----
6893 cotton	0	-----	0	-----	-----	-----	-----
6899 farm products nec	0	-----	0	-----	-----	-----	-----
Total all manufactured equipment, machinery and products	40	35	5	-----	-----	-----	-----
7110 machinery (not elec)	1	0	1	-----	-----	-----	-----
7120 electrical machinery	1	0	1	-----	-----	-----	-----
7210 vehicles & parts	35	35	1	-----	-----	-----	-----
7220 aircraft & parts	0	-----	0	-----	-----	-----	-----
7230 ships & boats	1	0	1	-----	-----	-----	-----
7300 ordnance & access.	0	-----	0	-----	-----	-----	-----
7500 textile products	1	0	1	-----	-----	-----	-----
7600 rubber & plastic pr.	1	-----	1	-----	-----	-----	-----
7900 manufac. prod. nec	1	0	0	-----	-----	-----	-----
Total unknown or not elsewhere classified	0	0	-----	-----	-----	-----	-----
9900 unknown or nec	0	0	-----	-----	-----	-----	-----

LONG BEACH HARBOR, CA

Section Included: Entire harbor within the city limits of Long Beach. Controlling Depth: 62 feet in Long Beach Entrance Channel; 50 feet to 55 feet in turning basins; 35 feet in Cerritos Channel. Project Depth: 35 feet in Long Beach channel and other channels and basins.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	43,977	1990	52,425
1986	42,718	1991	52,891
1987	45,899	1992	52,049
1988	46,560	1993	54,321
1989	54,808	1994	56,522

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	32,958	15,728	16,703	520	8
Total coal	1,225	1	1,223	-----	-----
1100 coal lignite	1,225	1	1,223	-----	-----
1200 coal coke	0	-----	0	-----	-----
Total petroleum and petroleum products	12,091	4,923	7,149	18	-----
Subtotal crude petroleum	3,638	3,638	0	-----	-----
2100 crude petroleum	3,638	3,638	0	-----	-----
Subtotal petroleum products	8,453	1,286	7,149	18	-----
2211 gasoline	82	0	82	-----	-----
2221 kerosene	109	109	1	-----	-----
2330 distillate fuel oil	264	110	155	-----	-----
2340 residual fuel oil	1,419	952	467	-----	-----
2350 lube oil & greases	155	64	91	-----	-----
2410 petro. jelly & waxes	5	0	5	-----	-----
2429 naphtha & solvents	841	-----	841	-----	-----
2430 asphalt, tar & pitch	209	0	209	-----	-----
2540 petroleum coke	5,315	-----	5,297	18	-----
2640 liquid natural gas	53	51	2	0	-----
Total chemicals and related products	2,223	480	1,633	110	0
Subtotal fertilizers	49	2	47	-----	-----
3110 nitrogenous fert.	2	0	1	-----	-----
3120 phosphatic fert.	0	0	0	-----	-----
3130 potassic fert.	18	0	18	-----	-----
3190 fert. & mixes nec	29	1	28	-----	-----
Subtotal other chemicals and related products	2,174	478	1,585	110	0
3211 acyclic hydrocarbons	49	0	48	-----	-----
3212 benzene & toluene	3	3	0	-----	-----
3219 other hydrocarbons	20	3	16	-----	-----
3220 alcohols	145	8	38	98	0
3230 carboxylic acids	46	19	28	-----	-----

LONG BEACH HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
3240 nitrogen func. comp.	78	18	60	0	-----
3250 organo- inorgan. comp	48	12	36	-----	-----
3260 organic comp. nec	117	67	40	11	-----
3271 sulphur (liquid)	110	-----	110	-----	-----
3272 sulphuric acid	7	-----	7	-----	-----
3273 ammonia	7	-----	7	-----	-----
3274 sodium hydroxide	28	25	3	-----	-----
3275 inorg. elem., oxides, & halogen salts	124	33	90	1	-----
3276 metallic salts	105	22	83	0	-----
3279 inorganic chem. nec	7	6	1	-----	-----
3281 radioactive material	3	1	3	-----	-----
3282 pigments & paints	84	16	68	-----	0
3283 coloring mat. nec	12	7	4	-----	-----
3284 medicines	25	10	16	-----	-----
3285 perfumes & cleansers	77	13	64	-----	-----
3286 plastics	876	143	732	0	0
3291 pesticides	14	2	12	-----	-----
3292 starches, gluten, glue	31	11	20	-----	-----
3293 explosives	35	34	1	-----	-----
3297 chemical additives	48	2	46	-----	-----
3298 wood & resin chem.	9	4	5	-----	-----
3299 chem. products nec	66	19	47	-----	0
Total crude materials, inedible except fuels	3,170	823	2,269	78	0
Subtotal forest products, wood and chips	195	117	68	10	0
4110 rubber & gums	71	70	1	1	-----
4150 fuel wood	5	1	4	-----	0
4161 wood chips	0	-----	0	-----	-----
4170 wood in the rough	36	14	22	0	-----
4189 lumber	62	13	40	9	0
4190 forest products nec	21	19	2	-----	-----
Subtotal pulp and waste paper	880	17	863	-----	-----
4225 pulp & waste paper	880	17	863	-----	-----
Subtotal soil, sand, gravel, rock and stone	534	505	28	0	-----
4310 building stone	2	1	1	0	-----
4322 limestone	6	0	6	-----	-----
4323 gypsum	509	503	6	-----	-----
4327 phosphate rock	0	0	0	-----	-----
4331 sand & gravel	16	1	14	-----	-----
Subtotal iron ore and scrap	840	3	770	68	-----
4410 iron ore	68	-----	-----	68	-----
4420 iron & steel scrap	772	3	770	0	-----
Subtotal marine shells	4	1	3	-----	-----
4515 marine shells	4	1	3	-----	-----
Subtotal non-ferrous ores and scrap	174	41	134	-----	0
4630 copper ore	0	0	0	-----	-----
4650 aluminum ore	36	34	3	-----	-----
4670 manganese ore	0	-----	0	-----	-----
4680 non-ferrous scrap	124	5	119	-----	0
4690 non-ferrous ores nec	14	2	12	-----	-----

LONG BEACH HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal sulphur, clay and salt	341	7	334	-----	-----
4741 sulphur, (dry)	277	1	276	-----	-----
4782 clay & refrac. mat.	64	6	58	-----	-----
Subtotal slag	2	2	0	-----	-----
4860 slag	2	2	0	-----	-----
Subtotal other non-metal. min.	200	131	69	-----	0
4900 non-metal. min. nec	200	131	69	-----	0
Total primary manufactured goods	3,880	2,872	699	308	1
Subtotal paper products	725	115	303	307	0
5110 newsprint	366	0	58	307	0
5120 paper & paperboard	288	73	215	-----	0
5190 paper products nec	72	42	30	0	-----
Subtotal lime, cement and glass	964	830	133	1	0
5210 lime	0	0	-----	-----	-----
5220 cement & concrete	424	420	4	-----	0
5240 glass & glass prod.	124	80	44	0	-----
5290 misc. mineral prod.	416	330	85	1	0
Subtotal primary iron and steel products	1,304	1,263	41	0	0
5312 pig iron	11	4	8	-----	-----
5315 ferro alloys	9	7	2	-----	-----
5320 i&s primary forms	390	387	3	-----	-----
5330 i&s plates & sheets	562	554	7	0	-----
5360 i&s bars & shapes	130	124	6	-----	0
5370 i&s pipe & tube	157	143	13	0	0
5390 primary i&s nec	45	43	2	-----	-----
Subtotal primary non-ferrous metal products	824	614	209	0	1
5421 copper	94	16	78	-----	-----
5422 aluminum	67	16	51	-----	-----
5429 smelted prod. nec	37	16	20	-----	0
5480 fab. metal products	626	566	60	0	0
Subtotal primary wood products	64	51	13	-----	-----
5540 primary wood prod.	64	51	13	-----	-----
Total food and farm products	3,930	1,170	2,752	5	3
Subtotal fish	185	167	19	0	-----
6134 fish (not shellfish)	61	49	12	0	-----
6136 shellfish	124	117	7	-----	-----
Subtotal grain	147	49	98	0	0
6241 wheat	10	-----	10	-----	-----
6344 corn	85	0	85	-----	-----
6442 rice	51	49	2	0	0
6443 barley & rye	0	0	0	-----	-----
6445 oats	1	-----	1	-----	-----
6447 sorghum grains	1	-----	1	-----	-----
Subtotal oilseeds	54	2	51	0	1
6521 peanuts	2	-----	1	-----	0
6522 soybeans	46	0	46	-----	0
6534 flaxseed	0	-----	0	-----	-----
6590 oilseeds nec	6	2	4	0	0

LONG BEACH HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal vegetable products	367	182	182	2	0
6653 vegetable oils	100	56	44	0	0
6654 vegetables & prod.	267	126	138	2	0
Subtotal processed grain and animal feed	598	52	545	0	0
6746 wheat flour	19	1	19	0	0
6747 grain mill products	68	46	21	0	0
6781 hay & fodder	395	0	394	0	0
6782 animal feed, prep.	116	5	111	0	0
Subtotal other agricultural products	2,579	718	1,857	3	2
6811 meat, fresh, frozen	194	12	181	0	0
6817 meat, prepared	19	9	10	0	0
6822 dairy products	19	4	15	0	0
6835 fish, prepared	76	59	17	0	0
6838 tallow, animal oils	47	0	47	0	0
6839 animals & prod. nec	121	11	110	0	0
6856 bananas & plantains	154	154	0	0	0
6857 fruit & nuts nec	468	57	411	0	0
6858 fruit juices	120	69	51	0	0
6861 sugar	1	0	0	0	0
6865 molasses	35	35	0	0	0
6871 coffee	59	49	9	0	1
6872 cocoa beans	5	4	1	0	0
6885 alcoholic beverages	224	102	119	2	1
6888 water & ice	73	57	15	0	0
6889 food products nec	247	81	166	0	0
6891 tobacco & products	48	4	43	0	0
6893 cotton	653	0	652	0	0
6894 natural fibers nec	3	3	0	0	0
6899 farm products nec	13	5	8	0	0
Total all manufactured equipment, machinery and products	6,367	5,423	942	1	1
7110 machinery (not elec)	708	506	201	0	0
7120 electrical machinery	1,358	1,185	172	0	0
7210 vehicles & parts	642	535	107	0	0
7220 aircraft & parts	7	1	5	0	0
7230 ships & boats	9	6	2	0	0
7300 ordnance & access.	13	9	4	0	0
7400 manufac. wood prod.	70	57	13	0	0
7500 textile products	935	786	149	0	0
7600 rubber & plastic pr.	630	514	116	0	0
7900 manufac. prod. nec	1,995	1,823	172	0	0
Total unknown or not elsewhere classified	71	34	35	0	2
9900 unknown or nec	71	34	35	0	2

LONG BEACH HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	23,564	19,648	1,375	1,077	1,016	448
Total coal	0	-----	0	-----	-----	-----
1200 coal coke	0	-----	0	-----	-----	-----
Total petroleum and petroleum products	22,672	19,155	988	1,068	1,016	445
Subtotal crude petroleum	19,682	18,398	373	7	710	194
2100 crude petroleum	19,682	18,398	373	7	710	194
Subtotal petroleum products	2,991	757	615	1,062	306	252
2211 gasoline	748	377	371	-----	-----	-----
2330 distillate fuel oil	559	269	187	41	62	-----
2340 residual fuel oil	1,654	91	55	1,013	243	251
2350 lube oil & greases	20	13	1	7	-----	0
2410 petro. jelly & waxes	0	-----	0	-----	-----	-----
2429 naphtha & solvents	10	8	-----	2	-----	-----
2540 petroleum coke	0	-----	0	-----	-----	-----
Total chemicals and related products	335	309	20	4	-----	3
Subtotal fertilizers	2	-----	2	-----	-----	-----
3190 fert. & mixes nec	2	-----	2	-----	-----	-----
Subtotal other chemicals and related products	333	309	18	4	-----	3
3211 acyclic hydrocarbons	0	-----	0	-----	-----	-----
3219 other hydrocarbons	1	-----	1	-----	-----	-----
3220 alcohols	2	2	0	-----	-----	-----
3230 carboxylic acids	0	-----	0	-----	-----	-----
3240 nitrogen func. comp.	0	-----	0	-----	-----	-----
3250 organo- inorgan. comp	0	-----	0	-----	-----	-----
3274 sodium hydroxide	34	27	0	4	-----	3
3275 inorg. elem., oxides, & halogen salts	1	0	1	-----	-----	-----
3276 metallic salts	0	-----	0	-----	-----	-----
3279 inorganic chem. nec	0	-----	0	-----	-----	-----
3282 pigments & paints	2	-----	2	0	-----	-----
3284 medicines	0	-----	0	-----	-----	-----
3285 perfumes & cleansers	2	-----	2	-----	-----	-----
3286 plastics	2	-----	2	-----	-----	-----
3291 pesticides	0	-----	0	-----	-----	-----
3292 starches, gluten, glue	0	-----	0	-----	-----	-----
3293 explosives	0	-----	0	0	-----	-----
3297 chemical additives	266	261	5	-----	-----	-----
3298 wood & resin chem.	17	17	0	-----	-----	-----
3299 chem. products nec	5	2	3	-----	-----	-----
Total crude materials, inedible except fuels	175	165	10	-----	-----	-----
Subtotal forest products, wood and chips	166	165	0	-----	-----	-----
4150 fuel wood	0	-----	0	-----	-----	-----
4161 wood chips	0	-----	0	-----	-----	-----
4170 wood in the rough	0	-----	0	-----	-----	-----
4189 lumber	165	165	0	-----	-----	-----

LONG BEACH HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Subtotal pulp and waste paper	5	-----		5	-----	-----
4225 pulp & waste paper	5	-----		5	-----	-----
Subtotal soil, sand, gravel, rock and stone	1	-----		1	-----	-----
4310 building stone	0	-----		0	-----	-----
4323 gypsum	1	-----		1	-----	-----
4331 sand & gravel	0	-----		0	-----	-----
Subtotal iron ore and scrap	0	-----		0	-----	-----
4410 iron ore	0	-----		0	-----	-----
4420 iron & steel scrap	0	-----		0	-----	-----
Subtotal marine shells	0	-----		0	-----	-----
4515 marine shells	0	-----		0	-----	-----
Subtotal non-ferrous ores and scrap	0	0		0	-----	-----
4680 non-ferrous scrap	0	0		0	-----	-----
Subtotal sulphur, clay and salt	3	-----		3	-----	-----
4782 clay & refrac. mat.	3	-----		3	-----	-----
Subtotal other non-metal. min.	0	-----		0	-----	-----
4900 non-metal. min. nec	0	-----		0	-----	-----
Total primary manufactured goods	32	0		31	0	-----
Subtotal paper products	7	-----		7	-----	-----
5110 newsprint	0	-----		0	-----	-----
5120 paper & paperboard	2	-----		2	-----	-----
5190 paper products nec	4	-----		4	-----	-----
Subtotal lime, cement and glass	10	0		10	-----	-----
5220 cement & concrete	0	-----		0	-----	-----
5240 glass & glass prod.	1	-----		1	-----	-----
5290 misc. mineral prod.	9	0		9	-----	-----
Subtotal primary iron and steel products	9	-----		9	0	-----
5320 i&s primary forms	0	-----		0	-----	-----
5330 i&s plates & sheets	1	-----		1	-----	-----
5360 i&s bars & shapes	7	-----		7	-----	-----
5370 i&s pipe & tube	0	-----		0	0	-----
5390 primary i&s nec	0	-----		0	-----	-----
Subtotal primary non-ferrous metal products	6	0		6	0	-----
5421 copper	2	-----		2	-----	-----
5422 aluminum	1	0		1	-----	-----
5429 smelted prod. nec	0	-----		0	-----	-----
5480 fab. metal products	3	0		3	0	-----
Subtotal primary wood products	0	-----		0	-----	-----
5540 primary wood prod.	0	-----		0	-----	-----
Total food and farm products	126	2		119	5	-----
Subtotal fish	0	0		0	-----	-----
6134 fish (not shellfish)	0	-----		0	-----	-----
6136 shellfish	0	0	-----	-----	-----	-----

LONG BEACH HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Subtotal grain	0	-----	0	-----	-----	-----
6344 corn	0	-----	0	-----	-----	-----
6442 rice	0	-----	0	-----	-----	-----
Subtotal oilseeds	1	-----	1	-----	-----	-----
6521 peanuts	0	-----	0	-----	-----	-----
6522 soybeans	0	-----	0	-----	-----	-----
Subtotal vegetable products	17	-----	17	-----	-----	-----
6653 vegetable oils	1	-----	1	-----	-----	-----
6654 vegetables & prod.	16	-----	16	-----	-----	-----
Subtotal processed grain and animal feed	23	-----	23	-----	-----	-----
6746 wheat flour	8	-----	8	-----	-----	-----
6747 grain mill products	1	-----	1	-----	-----	-----
6781 hay & fodder	12	-----	12	-----	-----	-----
6782 animal feed, prep.	3	-----	3	-----	-----	-----
Subtotal other agricultural products	85	2	77	5	-----	-----
6811 meat, fresh, frozen	17	1	16	-----	-----	-----
6817 meat, prepared	0	-----	0	-----	-----	-----
6822 dairy products	1	-----	1	-----	-----	-----
6835 fish, prepared	0	0	0	-----	-----	-----
6839 animals & prod. nec	1	-----	1	-----	-----	-----
6856 bananas & plantains	0	0	0	-----	-----	-----
6857 fruit & nuts nec	9	1	8	-----	-----	-----
6858 fruit juices	0	-----	0	-----	-----	-----
6861 sugar	0	-----	0	-----	-----	-----
6871 coffee	1	-----	1	-----	-----	-----
6872 cocoa beans	0	-----	0	-----	-----	-----
6885 alcoholic beverages	29	0	29	-----	-----	-----
6887 groceries	0	-----	0	0	-----	-----
6888 water & ice	5	0	5	-----	-----	-----
6889 food products nec	20	0	20	0	-----	-----
6891 tobacco & products	0	-----	0	-----	-----	-----
6893 cotton	1	-----	1	-----	-----	-----
6899 farm products nec	0	-----	0	-----	-----	-----
Total all manufactured equipment, machinery and products	225	17	207	0	1	-----
7110 machinery (not elec)	3	0	2	0	0	-----
7120 electrical machinery	4	-----	4	0	-----	-----
7210 vehicles & parts	9	0	8	0	-----	-----
7220 aircraft & parts	0	-----	0	-----	-----	-----
7230 ships & boats	0	-----	0	-----	-----	-----
7300 ordnance & access.	1	0	0	-----	-----	-----
7400 manufac. wood prod.	3	-----	3	-----	-----	-----
7500 textile products	3	0	3	-----	-----	-----
7600 rubber & plastic pr.	5	0	5	-----	-----	-----
7900 manufac. prod. nec	198	16	181	0	1	-----
Total waste and scrap nec	0	-----	-----	-----	0	-----
8900 waste and scrap nec	0	-----	-----	-----	0	-----

LONG BEACH HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total unknown or not elsewhere classified	0	-----	0	-----	-----	-----
9900 unknown or nec	0	-----	0	-----	-----	-----

LOS ANGELES HARBOR, CA

Section Included: Entire harbor within the city limits of Los Angeles. Controlling Depth: 45 to 51 feet in entrance and outer harbor channels and basins; 45 feet in Los Angeles channel and inner harbor basins and channels; 35 feet in Cerritos Channel. Project Depth: 45 to 51 feet in entrance and outer harbor channels and basins; 45 feet in Los Angeles channel and inner harbor basins and channels; 35 feet in Cerritos Channel.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	36,374	1990	46,352
1986	39,859	1991	47,008
1987	40,461	1992	40,104
1988	45,214	1993	43,623
1989	47,272	1994	43,140

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	25,578	13,655	11,596	242	84
Total coal	1,803	45	1,757	0	0
1100 coal lignite	1,758	1	1,757	0	0
1200 coal coke	44	44	-----	-----	-----
Total petroleum and petroleum products	4,024	1,758	2,259	5	3
Subtotal crude petroleum	787	787	0	-----	-----
2100 crude petroleum	787	787	0	-----	-----
Subtotal petroleum products	3,237	971	2,259	5	3
2211 gasoline	162	9	151	-----	2
2221 kerosene	466	464	2	-----	-----
2330 distillate fuel oil	237	32	200	5	-----
2340 residual fuel oil	590	398	190	-----	1
2350 lube oil & greases	68	10	58	-----	0
2410 petro. jelly & waxes	4	0	4	-----	-----
2429 naphtha & solvents	481	23	458	-----	-----
2430 asphalt, tar & pitch	57	0	57	-----	-----
2540 petroleum coke	1,122	0	1,122	-----	-----
2640 liquid natural gas	50	33	17	0	-----

LOS ANGELES HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total chemicals and related products	2,587	550	1,883	151	2
Subtotal fertilizers	50	7	43	-----	0
3110 nitrogenous fert.	7	7	1	-----	0
3120 phosphatic fert.	0	0	0	-----	-----
3130 potassic fert.	5	-----	5	-----	-----
3190 fert. & mixes nec	37	1	37	-----	-----
Subtotal other chemicals and related products	2,536	542	1,840	151	2
3211 acyclic hydrocarbons	9	0	8	-----	-----
3212 benzene & toluene	0	0	0	-----	-----
3219 other hydrocarbons	26	4	22	-----	-----
3220 alcohols	138	15	48	74	1
3230 carboxylic acids	82	14	68	0	0
3240 nitrogen func. comp.	97	13	84	0	-----
3250 organo- inorgan. comp	56	14	41	0	-----
3260 organic comp. nec	267	140	54	73	0
3271 sulphur (liquid)	2	0	2	-----	-----
3272 sulphuric acid	24	23	1	-----	-----
3273 ammonia	13	9	4	-----	-----
3274 sodium hydroxide	17	11	2	5	-----
3275 inorg. elem., oxides, & halogen salts	125	21	104	0	-----
3276 metallic salts	521	14	507	-----	0
3279 inorganic chem. nec	7	3	4	-----	-----
3281 radioactive material	4	1	3	0	-----
3282 pigments & paints	82	16	66	0	-----
3283 coloring mat. nec	10	5	5	-----	0
3284 medicines	27	7	20	-----	-----
3285 perfumes & cleansers	70	10	60	-----	0
3286 plastics	750	180	569	0	1
3291 pesticides	17	3	14	-----	-----
3292 starches, gluten, glue	39	13	25	0	0
3293 explosives	16	15	1	-----	-----
3297 chemical additives	59	1	58	-----	-----
3298 wood & resin chem.	4	0	4	-----	0
3299 chem. products nec	77	10	67	0	0
Total crude materials, inedible except fuels	2,430	170	2,161	73	27
Subtotal forest products, wood and chips	203	90	41	72	0
4110 rubber & gums	36	36	0	-----	-----
4150 fuel wood	6	5	0	0	-----
4161 wood chips	0	0	0	-----	-----
4170 wood in the rough	9	2	7	0	-----
4189 lumber	135	32	31	72	0
4190 forest products nec	17	15	2	0	-----
Subtotal pulp and waste paper	835	25	810	0	0
4225 pulp & waste paper	835	25	810	0	0
Subtotal soil, sand, gravel, rock and stone	58	36	22	-----	0
4310 building stone	1	1	1	-----	0
4322 limestone	0	0	0	-----	-----
4323 gypsum	40	34	6	-----	-----
4327 phosphate rock	0	0	0	-----	-----

LOS ANGELES HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
4331 sand & gravel	16	1	15	-----	-----
Subtotal iron ore and scrap	774	0	747	-----	27
4410 iron ore	27	0	-----	-----	27
4420 iron & steel scrap	747	0	747	-----	-----
Subtotal marine shells	2	0	1	-----	-----
4515 marine shells	2	0	1	-----	-----
Subtotal non-ferrous ores and scrap	165	12	152	1	0
4630 copper ore	67	0	67	-----	-----
4650 aluminum ore	11	2	8	-----	-----
4670 manganese ore	0	-----	0	-----	-----
4680 non-ferrous scrap	62	5	57	0	0
4690 non-ferrous ores nec	25	4	20	1	0
Subtotal sulphur, clay and salt	235	2	233	-----	-----
4741 sulphur, (dry)	201	-----	201	-----	-----
4782 clay & refrac. mat.	34	2	32	-----	-----
Subtotal slag	0	0	0	-----	-----
4860 slag	0	0	0	-----	-----
Subtotal other non-metal. min.	159	3	155	-----	0
4900 non-metal. min. nec	159	3	155	-----	0
Total primary manufactured goods	3,835	3,201	624	5	4
Subtotal paper products	331	92	234	5	1
5110 newsprint	29	1	24	5	0
5120 paper & paperboard	233	58	174	0	0
5190 paper products nec	69	33	36	0	0
Subtotal lime, cement and glass	622	506	114	0	3
5210 lime	0	0	-----	-----	-----
5220 cement & concrete	41	37	4	-----	0
5240 glass & glass prod.	111	81	29	0	1
5290 misc. mineral prod.	470	388	81	0	2
Subtotal primary iron and steel products	1,838	1,801	37	0	0
5312 pig iron	2	1	2	-----	-----
5315 ferro alloys	10	9	1	-----	-----
5320 i&s primary forms	1,184	1,182	2	-----	-----
5330 i&s plates & sheets	339	333	6	0	-----
5360 i&s bars & shapes	78	64	13	-----	0
5370 i&s pipe & tube	184	174	10	-----	0
5390 primary i&s nec	39	38	2	0	0
Subtotal primary non-ferrous metal products	942	717	224	0	1
5421 copper	84	20	64	-----	0
5422 aluminum	108	11	97	-----	0
5429 smelted prod. nec	17	9	8	-----	0
5480 fab. metal products	733	676	55	0	1
Subtotal primary wood products	103	86	16	0	-----
5540 primary wood prod.	103	86	16	0	-----
Total food and farm products	3,702	1,805	1,874	6	17
Subtotal fish	177	159	18	1	0
6134 fish (not shellfish)	41	36	5	1	0

LOS ANGELES HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
6136 shellfish	136	123	13	-----	0
Subtotal grain	65	53	12	0	0
6241 wheat	0	0	-----	-----	-----
6344 corn	6	0	6	-----	-----
6442 rice	56	53	3	0	0
6443 barley & rye	3	0	3	-----	-----
6445 oats	0	-----	0	-----	-----
6447 sorghum grains	0	-----	0	-----	-----
Subtotal oilseeds	29	4	24	0	0
6521 peanuts	2	-----	2	-----	-----
6522 soybeans	11	0	11	-----	-----
6534 flaxseed	0	-----	-----	0	-----
6590 oilseeds nec	15	4	11	0	0
Subtotal vegetable products	258	149	106	3	0
6653 vegetable oils	20	16	4	-----	-----
6654 vegetables & prod.	237	133	101	3	0
Subtotal processed grain and animal feed	529	33	494	0	1
6746 wheat flour	2	1	2	-----	-----
6747 grain mill products	53	26	26	0	1
6781 hay & fodder	382	0	382	-----	-----
6782 animal feed, prep.	91	6	84	0	-----
Subtotal other agricultural products	2,645	1,407	1,220	2	15
6811 meat, fresh, frozen	244	127	117	0	-----
6817 meat, prepared	10	6	4	0	-----
6822 dairy products	14	3	11	-----	0
6835 fish, prepared	81	74	6	0	-----
6838 tallow, animal oils	5	1	4	-----	-----
6839 animals & prod. nec	58	16	41	0	-----
6856 bananas & plantains	603	603	1	-----	-----
6857 fruit & nuts nec	325	165	160	0	0
6858 fruit juices	141	109	31	0	0
6861 sugar	7	7	0	-----	-----
6865 molasses	26	26	1	-----	-----
6871 coffee	133	42	89	-----	2
6872 cocoa beans	10	9	1	-----	-----
6885 alcoholic beverages	282	120	154	0	8
6888 water & ice	41	30	9	-----	2
6889 food products nec	159	58	98	0	3
6891 tobacco & products	61	7	54	-----	-----
6893 cotton	432	0	432	-----	-----
6894 natural fibers nec	1	0	0	-----	-----
6899 farm products nec	12	4	7	1	0
Total all manufactured equipment, machinery and products	7,010	6,047	958	2	3
7110 machinery (not elec)	875	685	189	0	0
7120 electrical machinery	1,325	1,172	153	0	1
7210 vehicles & parts	951	811	139	0	0
7220 aircraft & parts	5	1	4	-----	-----
7230 ships & boats	9	6	2	0	0
7300 ordnance & access.	8	3	5	-----	-----

LOS ANGELES HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
7400 manufac. wood prod.	81	72	8	0	0
7500 textile products	900	751	148	0	0
7600 rubber & plastic pr.	759	621	137	0	1
7900 manufac. prod. nec	2,097	1,925	171	1	1
Total unknown or not elsewhere classified	187	80	79	0	27
9900 unknown or nec	187	80	79	0	27

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	17,562	12,101	2,722	1,016	1,077	645
Total petroleum and petroleum products	13,804	9,769	1,348	1,016	1,068	603
Subtotal crude petroleum	4,985	4,201	50	710	7	18
2100 crude petroleum	4,985	4,201	50	710	7	18
Subtotal petroleum products	8,819	5,568	1,298	306	1,062	585
2211 gasoline	3,554	3,226	318			10
2330 distillate fuel oil	2,371	1,583	597	62	41	88
2340 residual fuel oil	2,475	393	340	243	1,013	486
2350 lube oil & greases	349	321	20		7	1
2429 naphtha & solvents	58	45	11		2	
2430 asphalt, tar & pitch	2		2			
2640 liquid natural gas	1		1			
2990 petro. products nec	11	1	10			
Total chemicals and related products	446	350	93		4	
Subtotal fertilizers	3		3			
3190 fert. & mixes nec	3		3			
Subtotal other chemicals and related products	443	350	89		4	
3212 benzene & toluene	6	6				
3219 other hydrocarbons	5	5				
3220 alcohols	17	17				
3240 nitrogen func. comp.	1	1				
3260 organic comp. nec	0	0				
3274 sodium hydroxide	136	132			4	
3275 inorg. elem., oxides, & halogen salts	4		4			
3281 radioactive material	0	0				
3282 pigments & paints	14	0	14		0	
3284 medicines	7	0	7			
3285 perfumes & cleansers	29	0	28			
3286 plastics	3	2	1			
3291 pesticides	2	0	2			
3293 explosives	1		1		0	
3297 chemical additives	199	174	26			

LOS ANGELES HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
3298 wood & resin chem.	9	9	---	---	---	---
3299 chem. products nec	9	3	7	---	---	---
Total crude materials, inedible except fuels	1,844	1,669	175	---	---	---
Subtotal forest products, wood and chips	128	119	9	---	---	---
4150 fuel wood	0	---	0	---	---	---
4189 lumber	127	119	8	---	---	---
4190 forest products nec	1	---	1	---	---	---
Subtotal pulp and waste paper	1	0	1	---	---	---
4225 pulp & waste paper	1	0	1	---	---	---
Subtotal soil, sand, gravel, rock and stone	1,686	1,526	160	---	---	---
4331 sand & gravel	1,684	1,526	158	---	---	---
4338 soil & fill dirt	2	---	2	---	---	---
Subtotal iron ore and scrap	24	24	0	---	---	---
4420 iron & steel scrap	24	24	0	---	---	---
Subtotal other non-metal. min.	5	0	5	---	---	---
4900 non-metal. min. nec	5	0	5	---	---	---
Total primary manufactured goods	208	13	195	---	0	0
Subtotal paper products	44	0	44	---	---	---
5120 paper & paperboard	9	0	9	---	---	---
5190 paper products nec	35	0	35	---	---	---
Subtotal lime, cement and glass	101	0	100	---	---	---
5220 cement & concrete	19	---	19	---	---	---
5240 glass & glass prod.	0	---	0	---	---	---
5290 misc. mineral prod.	82	0	82	---	---	---
Subtotal primary iron and steel products	0	---	0	---	0	---
5370 i&s pipe & tube	0	---	0	---	0	---
Subtotal primary non-ferrous metal products	62	12	50	---	0	0
5480 fab. metal products	62	12	50	---	0	0
Subtotal primary wood products	1	---	1	---	---	---
5540 primary wood prod.	1	---	1	---	---	---
Total food and farm products	711	161	503	---	5	42
Subtotal fish	2	0	1	---	---	---
6134 fish (not shellfish)	2	0	1	---	---	---
Subtotal grain	0	0	0	---	---	---
6344 corn	0	0	---	---	---	---
6442 rice	0	---	0	---	---	---
Subtotal vegetable products	55	3	52	---	---	---
6653 vegetable oils	0	---	0	---	---	---
6654 vegetables & prod.	55	3	52	---	---	---
Subtotal processed grain and animal feed	36	6	30	---	---	---
6746 wheat flour	13	0	13	---	---	---

LOS ANGELES HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
6747 grain mill products	3	-----	3	-----	-----	-----
6781 hay & fodder	2	-----	2	-----	-----	-----
6782 animal feed, prep.	18	6	12	-----	-----	-----
Subtotal other agricultural products	619	151	420	-----	5	42
6811 meat, fresh, frozen	73	0	73	-----	-----	-----
6822 dairy products	17	0	16	-----	-----	-----
6839 animals & prod. nec	1	1	0	-----	-----	-----
6856 bananas & plantains	14	0	14	-----	-----	-----
6857 fruit & nuts nec	10	3	7	-----	-----	-----
6858 fruit juices	100	98	1	-----	-----	-----
6865 molasses	78	38	-----	-----	-----	39
6871 coffee	2	0	1	-----	-----	-----
6885 alcoholic beverages	124	-----	124	-----	-----	-----
6887 groceries	19	0	19	-----	0	-----
6888 water & ice	8	-----	-----	-----	5	3
6889 food products nec	167	7	161	-----	0	-----
6891 tobacco & products	3	0	3	-----	-----	-----
6899 farm products nec	4	4	-----	-----	-----	-----
Total all manufactured equipment, machinery and products	547	140	406	1	0	-----
7110 machinery (not elec)	52	13	39	0	0	-----
7120 electrical machinery	17	0	17	-----	0	-----
7210 vehicles & parts	114	59	55	-----	0	-----
7220 aircraft & parts	0	0	0	-----	-----	-----
7230 ships & boats	1	0	0	-----	-----	-----
7400 manufac. wood prod.	17	10	7	-----	-----	-----
7500 textile products	9	0	9	-----	-----	-----
7600 rubber & plastic pr.	5	0	5	-----	-----	-----
7900 manufac. prod. nec	332	57	274	1	0	-----
Total waste and scrap nec	0	-----	-----	0	-----	0
8900 waste and scrap nec	0	-----	-----	0	-----	0
Total unknown or not elsewhere classified	2	0	2	-----	-----	-----
9900 unknown or nec	2	0	2	-----	-----	-----

PORT HUENEME, CA

Section Included: Harbor at Port Hueneme. Project Depths: 40 feet in approach channel; 36 feet in entrance channel; 35 feet in Channel Basin and Channel A. Controlling Depth: 40 feet in approach channel; 36 feet in entrance channel; 35 feet in Central Basin and Channel A.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	1,140	1990	574
1986	521	1991	416
1987	513	1992	474
1988	623	1993	696
1989	749	1994	814

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Domestic				
		Imports	Exports	Total	Coastwise		Internal	
					Receipts	Shipments	Receipts	Shipments
Total, all commodities	814	481	268	65	37	18	2	7
Total petroleum and petroleum products	35	0	-----	34	34	-----	-----	-----
Subtotal petroleum products	35	0	-----	34	34	-----	-----	-----
2340 residual fuel oil	27	0	-----	27	27	-----	-----	-----
2350 lube oil & greases	8	-----	-----	8	8	-----	-----	-----
Total chemicals and related products	4	4	0	-----	-----	-----	-----	-----
Subtotal other chemicals and related products	4	4	0	-----	-----	-----	-----	-----
3220 alcohols	0	-----	0	-----	-----	-----	-----	-----
3240 nitrogen func. comp.	0	0	-----	-----	-----	-----	-----	-----
3274 sodium hydroxide	4	4	-----	-----	-----	-----	-----	-----
3282 pigments & paints	0	0	-----	-----	-----	-----	-----	-----
3286 plastics	0	0	-----	-----	-----	-----	-----	-----
Total crude materials, inedible except fuels	35	35	0	-----	-----	-----	-----	-----
Subtotal pulp and waste paper	35	35	-----	-----	-----	-----	-----	-----
4225 pulp & waste paper	35	35	-----	-----	-----	-----	-----	-----
Subtotal soil, sand, gravel, rock and stone	0	0	-----	-----	-----	-----	-----	-----
4310 building stone	0	0	-----	-----	-----	-----	-----	-----
Subtotal non-ferrous ores and scrap	0	-----	0	-----	-----	-----	-----	-----
4680 non-ferrous scrap	0	-----	0	-----	-----	-----	-----	-----

PORT HUENEME, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Domestic				
		Imports	Exports	Total	Coastwise		Internal	
					Receipts	Shipments	Receipts	Shipments
Total primary manufactured goods	21	21	0	-----	-----	-----	-----	-----
Subtotal lime, cement and glass	0	0	-----	-----	-----	-----	-----	-----
5290 misc. mineral prod.	0	0	-----	-----	-----	-----	-----	-----
Subtotal primary Iron and steel products	0	0	-----	-----	-----	-----	-----	-----
5330 i&s plates & sheets	0	0	-----	-----	-----	-----	-----	-----
5360 i&s bars & shapes	0	0	-----	-----	-----	-----	-----	-----
5390 primary i&s nec	0	0	-----	-----	-----	-----	-----	-----
Subtotal primary non-ferrous metal products	0	0	0	-----	-----	-----	-----	-----
5422 aluminum	0	0	-----	-----	-----	-----	-----	-----
5429 smelted prod. nec	0	0	-----	-----	-----	-----	-----	-----
5480 fab. metal products	0	0	0	-----	-----	-----	-----	-----
Subtotal primary wood products	21	21	-----	-----	-----	-----	-----	-----
5540 primary wood prod.	21	21	-----	-----	-----	-----	-----	-----
Total food and farm products	483	225	258	1	0	0	-----	-----
Subtotal fish	1	1	-----	-----	-----	-----	-----	-----
6136 shellfish	1	1	-----	-----	-----	-----	-----	-----
Subtotal vegetable products	16	0	16	-----	-----	-----	-----	-----
6654 vegetables & prod.	16	0	16	-----	-----	-----	-----	-----
Subtotal processed grain and animal feed	0	-----	-----	0	-----	0	-----	-----
6782 animal feed, prep.	0	-----	-----	0	-----	0	-----	-----
Subtotal other agricultural products	467	224	242	1	0	0	-----	-----
6811 meat, fresh, frozen	15	15	-----	-----	-----	-----	-----	-----
6839 animals & prod. nec	1	-----	0	1	0	0	-----	-----
6856 bananas & plantains	208	208	-----	-----	-----	-----	-----	-----
6857 fruit & nuts nec	243	1	242	-----	-----	-----	-----	-----
6858 fruit juices	0	0	-----	-----	-----	-----	-----	-----
6871 coffee	0	0	-----	-----	-----	-----	-----	-----
6872 cocoa beans	0	0	-----	-----	-----	-----	-----	-----
Total all manufactured equipment, machinery and products	235	196	9	29	2	18	2	7
7110 machinery (not elec)	40	10	0	29	2	18	2	7
7120 electrical machinery	1	1	0	-----	-----	-----	-----	-----
7210 vehicles & parts	193	185	9	-----	-----	-----	-----	-----
7220 aircraft & parts	0	0	-----	-----	-----	-----	-----	-----
7230 ships & boats	0	0	0	-----	-----	-----	-----	-----
7300 ordnance & access.	0	0	-----	-----	-----	-----	-----	-----
7500 textile products	0	0	-----	-----	-----	-----	-----	-----
7600 rubber & plastic pr.	0	0	-----	-----	-----	-----	-----	-----

PORT HUENEME, CA
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Foreign		Domestic			
		Imports	Exports	Total	Coastwise	Internal	
				Receipts	Shipments	Receipts	Shipments
7900 manufac. prod. nec	0	0	0	-----	-----	-----	-----
Total unknown or not elsewhere classified	1	0	1	-----	-----	-----	-----
9900 unknown or nec	1	0	1	-----	-----	-----	-----

Other Harbors and Waterways

Harbor or Waterway	Commodity	Tons Thousand
Project		
MISSION BAY, CA	No Commerce Reported	
MORRO BAY HARBOR, CA	No Commerce Reported	
NEWPORT BAY HARBOR, CA	No Commerce Reported	
REDONDO BEACH, CA	5480 fab. metal products	0
	7230 ships & boats	0
	7600 rubber & plastic pr.	0
	Total Tons(x1000)	0
SANTA BARBARA HARBOR, CA	6134 fish (not shellfish)	1
	6136 shellfish	4
	Total Tons(x1000)	5
Non-project		
ELLWOOD, CA	2100 crude petroleum	246
	2340 residual fuel oil	25
	4189 lumber	0
	4900 non-metal. min. nec	0
	5480 fab. metal products	0
	6747 grain mill products	0
	6887 groceries	0
	6889 food products nec	0
	7110 machinery (not elec)	20
	7210 vehicles & parts	0
	7900 manufac. prod. nec	1
	Total Tons(x1000)	292

SACRAMENTO RIVER, CA (INCLUDING COMMERCE OF SACRAMENTO RIVER DEEPWATER SHIP CHANNEL AND THE PORT OF SACRAMENTO, CA)

Section Included: From mouth of river to Red Bluff via river route, a distance of 248 miles; from mouth of Cache Slough to Washington Lake via Sacramento River Deepwater Ship Channel, a distance of 29.9 miles. Controlling Depth: Mouth of river to Cache Slough, 29 feet; mouth of Cache Slough to Washington Lake via Sacramento River Deepwater Ship Channel, 29 ft.; mouth of Cache Slough to Sacramento via river route, 10 feet; Sacramento to Colusa, 6 feet in low water season; Colusa to Chico Landing, 3 ft., Chico Landing to Red Bluff, 1.5 feet. Project Depth: 30 feet from mouth of river to Cache Slough; 30 feet from Cache Slough to Washington Lake via Sacramento River Deepwater Ship Channel; 10 feet from mouth of Cache Slough to Sacramento via river route; 6 feet from Sacramento to Colusa; 5 ft. from Colusa to Chico Landing; such depths as practicable from Chico Landing to Red Bluff.

**Comparative Statement of Traffic
(thousand tons)**

Year	Total	Year	Total
1985	1,749	1990	1,574
1986	1,209	1991	1,335
1987	1,400	1992	1,160
1988	1,520	1993	1,094
1989	1,440	1994	1,573

**Freight Traffic, 1994
(thousand tons)**

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports	Imports	Total	Coastwise	Internal		
					Receipts	Shipments	Inbound	Outbound	
							Upbound	Downbnd	
Total, all commodities	1,573	121	981	106	366	333	4	26	3
Total petroleum and petroleum products	47	47	-----	-----	-----	-----	-----	-----	-----
Subtotal petroleum products	47	47	-----	-----	-----	-----	-----	-----	-----
2330 distillate fuel oil	47	47	-----	-----	-----	-----	-----	-----	-----
Total chemicals and related products	415	26	0	55	333	333	-----	-----	-----
Subtotal fertilizers	302	26	-----	23	252	252	-----	-----	-----
3110 nitrogenous fert.	284	9	-----	23	252	252	-----	-----	-----
3190 fert. & mixes nec	17	17	-----	-----	-----	-----	-----	-----	-----
Subtotal other chemicals and related products	113	0	0	32	81	81	-----	-----	-----
3219 other hydrocarbons	0	0	-----	-----	-----	-----	-----	-----	-----
3273 ammonia	113	-----	-----	32	81	81	-----	-----	-----
3285 perfumes & cleansers	0	-----	0	-----	-----	-----	-----	-----	-----

SACRAMENTO RIVER, CA (INCLUDING COMMERCE OF SACRAMENTO RIVER DEEPWATER SHIP
CHANNEL AND THE PORT OF SACRAMENTO, CA)
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian Imports	Domestic				
		Imports	Exports		Total	Coastwise		Internal	
						Receipts	Shipments	Inbound Upbound	Outbound Downbnd
Total crude materials, inedible except fuels	353	23	297	-----	33	-----	4	26	3
Subtotal forest products, wood and chips	295	23	268	-----	5	-----	4	0	-----
4150 fuel wood	9	-----	9	-----	-----	-----	-----	-----	-----
4161 wood chips	223	-----	219	-----	4	-----	4	-----	-----
4170 wood in the rough	63	23	40	-----	0	-----	-----	0	-----
Subtotal soil, sand, gravel, rock and stone	22	-----	-----	-----	22	-----	-----	20	3
4331 sand & gravel	22	-----	-----	-----	22	-----	-----	20	3
Subtotal marine shells	6	-----	-----	-----	6	-----	-----	6	-----
4515 marine shells	6	-----	-----	-----	6	-----	-----	6	-----
Subtotal sulphur, clay and salt	29	-----	29	-----	-----	-----	-----	-----	-----
4782 clay & refrac. mat.	29	-----	29	-----	-----	-----	-----	-----	-----
Total primary manufactured goods	18	18	-----	0	-----	-----	-----	-----	-----
Subtotal paper products	14	13	-----	0	-----	-----	-----	-----	-----
5110 newsprint	13	13	-----	-----	-----	-----	-----	-----	-----
5120 paper & paperboard	0	-----	-----	0	-----	-----	-----	-----	-----
Subtotal primary iron and steel products	4	4	-----	-----	-----	-----	-----	-----	-----
5330 i&s plates & sheets	4	4	-----	-----	-----	-----	-----	-----	-----
Total food and farm products	740	6	684	51	-----	-----	-----	-----	-----
Subtotal grain	710	-----	664	46	-----	-----	-----	-----	-----
6241 wheat	108	-----	108	-----	-----	-----	-----	-----	-----
6442 rice	556	-----	556	-----	-----	-----	-----	-----	-----
6443 barley & rye	46	-----	-----	46	-----	-----	-----	-----	-----
Subtotal oilseeds	13	-----	13	-----	-----	-----	-----	-----	-----
6590 oilseeds nec	13	-----	13	-----	-----	-----	-----	-----	-----
Subtotal vegetable products	7	-----	7	-----	-----	-----	-----	-----	-----
6653 vegetable oils	7	-----	7	-----	-----	-----	-----	-----	-----
6654 vegetables & prod.	0	-----	0	-----	-----	-----	-----	-----	-----

SACRAMENTO RIVER, CA (INCLUDING COMMERCE OF SACRAMENTO RIVER DEEPWATER SHIP
CHANNEL AND THE PORT OF SACRAMENTO, CA)
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports	Imports	Total	Coastwise	Internal	
					Receipts	Shipments	Inbound	Outbound
							Upbound	Downbnd
Subtotal processed grain and animal feed	10	6	-----	4	-----	-----	-----	-----
6782 animal feed, prep.	10	6	-----	4	-----	-----	-----	-----
Subtotal other agricultural products	0	0	0	-----	-----	-----	-----	-----
6811 meat, fresh, frozen	0	-----	0	-----	-----	-----	-----	-----
6839 animals & prod. nec	0	0	-----	-----	-----	-----	-----	-----
Total all manufactured equipment, machinery and products	0	0	0	-----	-----	-----	-----	-----
7110 machinery (not elec)	0	0	-----	-----	-----	-----	-----	-----
7120 electrical machinery	0	0	-----	-----	-----	-----	-----	-----
7210 vehicles & parts	0	0	0	-----	-----	-----	-----	-----
7500 textile products	0	0	-----	-----	-----	-----	-----	-----
7900 manufac. prod. nec	0	0	0	-----	-----	-----	-----	-----
Total unknown or not elsewhere classified	0	0	-----	-----	-----	-----	-----	-----
9900 unknown or nec	0	0	-----	-----	-----	-----	-----	-----
Ton-miles (x1000)	132,806	10,367	84,355	9,129	28,955	28,617	299	5 34
Tons All Traffic (x1000)			1,573					
Ton-miles All Traffic (x1000)			132,807					

SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CA (INCLUDED IN SACRAMENTO RIVER, CA)

Section Included: A Deepwater Ship Channel from Suisun Bay to the Inland Harbor at Sacramento, a distance of 43 miles; a triangular shaped deep draft harbor and turning basin located at West Sacramento; a 1.5 mile-long barge canal with navigation lock connecting the deep draft harbor with the Sacramento River. Controlling Depth: 29 ft. in the Deepwater Ship Channel and triangular shaped harbor and turning basin; 13 feet in the barge canal. Project Depth: 30 feet in the Deepwater Ship Channel and triangular shaped harbor and turning basin; 13 feet in the barge canal.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	1,493	1990	1,359
1986	976	1991	1,197
1987	1,220	1992	1,136
1988	1,398	1993	1,078
1989	1,287	1994	1,542

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Coastwise	
					Receipts	Shipments	
Total, all commodities	1,542	121	981	106	334	333	2
Total petroleum and petroleum products	47	47	-----	-----	-----	-----	-----
Subtotal petroleum products	47	47	-----	-----	-----	-----	-----
2330 distillate fuel oil	47	47	-----	-----	-----	-----	-----
Total chemicals and related products	415	26	0	55	333	333	-----
Subtotal fertilizers	302	26	-----	23	252	252	-----
3110 nitrogenous fert.	284	9	-----	23	252	252	-----
3190 fert. & mixes nec	17	17	-----	-----	-----	-----	-----
Subtotal other chemicals and related products	113	0	0	32	81	81	-----
3219 other hydrocarbons	0	0	-----	-----	-----	-----	-----
3273 ammonia	113	-----	-----	32	81	81	-----
3285 perfumes & cleansers	0	-----	0	-----	-----	-----	-----
Total crude materials, inedible except fuels	321	23	297	-----	2	-----	2
Subtotal forest products, wood and chips	292	23	268	-----	2	-----	2
4150 fuel wood	9	-----	9	-----	-----	-----	-----
4161 wood chips	220	-----	219	-----	2	-----	2
4170 wood in the rough	63	23	40	-----	-----	-----	-----
Subtotal sulphur, clay and salt	29	-----	29	-----	-----	-----	-----
4782 clay & refrac. mat.	29	-----	29	-----	-----	-----	-----
Total primary manufactured goods	18	18	-----	0	-----	-----	-----
Subtotal paper products	14	13	-----	0	-----	-----	-----
5110 newsprint	13	13	-----	-----	-----	-----	-----

SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CA (INCLUDED IN SACRAMENTO RIVER, CA)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Foreign		Canadian Imports	Domestic	
		Imports	Exports		Total Receipts	Coastwise Shipments
5120 paper & paperboard	0	-----	-----	0	-----	-----
Subtotal primary iron and steel products	4	4	-----	-----	-----	-----
5330 i&s plates & sheets	4	4	-----	-----	-----	-----
Total food and farm products	740	6	684	51	-----	-----
Subtotal grain	710	-----	664	46	-----	-----
6241 wheat	108	-----	108	-----	-----	-----
6442 rice	556	-----	556	-----	-----	-----
6443 barley & rye	46	-----	-----	46	-----	-----
Subtotal oilseeds	13	-----	13	-----	-----	-----
6590 oilseeds nec	13	-----	13	-----	-----	-----
Subtotal vegetable products	7	-----	7	-----	-----	-----
6653 vegetable oils	7	-----	7	-----	-----	-----
6654 vegetables & prod.	0	-----	0	-----	-----	-----
Subtotal processed grain and animal feed	10	6	-----	4	-----	-----
6782 animal feed, prep.	10	6	-----	4	-----	-----
Subtotal other agricultural products	0	0	0	-----	-----	-----
6811 meat, fresh, frozen	0	-----	0	-----	-----	-----
6839 animals & prod. nec	0	0	-----	-----	-----	-----
Total all manufactured equipment, machinery and products	0	0	0	-----	-----	-----
7110 machinery (not elec)	0	0	-----	-----	-----	-----
7120 electrical machinery	0	0	-----	-----	-----	-----
7210 vehicles & parts	0	0	0	-----	-----	-----
7500 textile products	0	0	-----	-----	-----	-----
7900 manufac. prod. nec	0	0	0	-----	-----	-----
Total unknown or not elsewhere classified	0	0	-----	-----	-----	-----
9900 unknown or nec	0	0	-----	-----	-----	-----
Ton-miles (x1000)	63,222	4,942	40,216	4,352	13,712	68
Tons All Traffic (x1000)	1,542					
Ton-miles All Traffic (x1000)	63,223					

SACRAMENTO, CA (INCLUDED IN SACRAMENTO RIVER, CA)

Section Included: A triangular shaped harbor and turning basin at Washington Lake, West Sacramento, adjacent to channel; a connecting barge canal to the Sacramento River shallow draft channel; thence upstream to a point approximately 6.6 miles upstream at Bryte. Controlling Depth: 29 feet in the deepwater channel harbor and turning basin; 13 feet in the connecting barge canal; 10 feet in the shallow draft channel. Project Depth: 30 feet in the deepwater channel harbor and turning basin; 13 feet in the connecting barge canal; 10 feet in the shallow draft channel.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	1,497	1990	1,485
1986	1,015	1991	1,226
1987	1,227	1992	1,136
1988	1,443	1993	1,078
1989	1,295	1994	1,545

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Coastwise	
					Receipts	Shipments	
Total, all commodities	1,545	121	981	106	337	333	4
Total petroleum and petroleum products	47	47	-----	-----	-----	-----	-----
Subtotal petroleum products	47	47	-----	-----	-----	-----	-----
2330 distillate fuel oil	47	47	-----	-----	-----	-----	-----
Total chemicals and related products	415	26	0	55	333	333	-----
Subtotal fertilizers	302	26	-----	23	252	252	-----
3110 nitrogenous fert.	284	9	-----	23	252	252	-----
3190 fert. & mixes nec	17	17	-----	-----	-----	-----	-----
Subtotal other chemicals and related products	113	0	0	32	81	81	-----
3219 other hydrocarbons	0	0	-----	-----	-----	-----	-----
3273 ammonia	113	-----	-----	32	81	81	-----
3285 perfumes & cleansers	0	-----	0	-----	-----	-----	-----
Total crude materials, inedible except fuels	324	23	297	-----	4	-----	4
Subtotal forest products, wood and chips	295	23	268	-----	4	-----	4
4150 fuel wood	9	-----	9	-----	-----	-----	-----
4161 wood chips	223	-----	219	-----	4	-----	4
4170 wood in the rough	63	23	40	-----	-----	-----	-----
Subtotal sulphur, clay and salt	29	-----	29	-----	-----	-----	-----
4782 clay & refrac. mat.	29	-----	29	-----	-----	-----	-----
Total primary manufactured goods	18	18	-----	0	-----	-----	-----
Subtotal paper products	14	13	-----	0	-----	-----	-----
5110 newsprint	13	13	-----	-----	-----	-----	-----

SACRAMENTO, CA (INCLUDED IN SACRAMENTO RIVER, CA)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Foreign		Canadian Imports	Domestic	
		Imports	Exports		Total Receipts	Coastwise Shipments
5120 paper & paperboard	0	-----	-----	0	-----	-----
Subtotal primary iron and steel products	4	4	-----	-----	-----	-----
5330 i&s plates & sheets	4	4	-----	-----	-----	-----
Total food and farm products	740	6	684	51	-----	-----
Subtotal grain	710	-----	664	46	-----	-----
6241 wheat	108	-----	108	-----	-----	-----
6442 rice	556	-----	556	-----	-----	-----
6443 barley & rye	46	-----	-----	46	-----	-----
Subtotal oilseeds	13	-----	13	-----	-----	-----
6590 oilseeds nec	13	-----	13	-----	-----	-----
Subtotal vegetable products	7	-----	7	-----	-----	-----
6653 vegetable oils	7	-----	7	-----	-----	-----
6654 vegetables & prod.	0	-----	0	-----	-----	-----
Subtotal processed grain and animal feed	10	6	-----	4	-----	-----
6782 animal feed, prep.	10	6	-----	4	-----	-----
Subtotal other agricultural products	0	0	0	-----	-----	-----
6811 meat, fresh, frozen	0	-----	0	-----	-----	-----
6839 animals & prod. nec	0	0	-----	-----	-----	-----
Total all manufactured equipment, machinery and products	0	0	0	-----	-----	-----
7110 machinery (not elec)	0	0	-----	-----	-----	-----
7120 electrical machinery	0	0	-----	-----	-----	-----
7210 vehicles & parts	0	0	0	-----	-----	-----
7500 textile products	0	0	-----	-----	-----	-----
7900 manufac. prod. nec	0	0	0	-----	-----	-----
Total unknown or not elsewhere classified	0	0	-----	-----	-----	-----
9900 unknown or nec	0	0	-----	-----	-----	-----

SAN JOAQUIN RIVER, CA (INCLUDING COMMERCE OF PORT OF STOCKTON, CA)

Section Included: From mouth of New York Slough to city of Stockton, 41 miles; from Stockton Channel to Hills Ferry, 84 miles. Controlling Depth: mouth of river to Mormon Channel, Stockton, 35 feet; other connecting channels, 2 feet to 9 feet; to Edison Street, 22 feet. Project Depth: 35 feet from the mouth of New York Slough to Mormon Channel at Stockton; 30 feet from Mormon Channel to Edison Street; other connecting channels, 9 feet.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	2,517	1990	3,491
1986	2,430	1991	3,345
1987	3,771	1992	3,530
1988	3,284	1993	2,493
1989	3,819	1994	3,337

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	3,067	1,592	1,229	239	7
Total coal	42	42	-----	-----	-----
1200 coal coke	42	42	-----	-----	-----
Total petroleum and petroleum products	460	-----	460	-----	-----
Subtotal petroleum products	460	-----	460	-----	-----
2350 lube oil & greases	0	-----	0	-----	-----
2540 petroleum coke	460	-----	460	-----	-----
Total chemicals and related products	429	231	83	115	-----
Subtotal fertilizers	101	101	-----	-----	-----
3110 nitrogenous fert.	38	38	-----	-----	-----
3190 fert. & mixes nec	63	63	-----	-----	-----
Subtotal other chemicals and related products	328	129	83	115	-----
3220 alcohols	0	0	-----	-----	-----
3250 organo- inorgan. comp	1	1	-----	-----	-----
3271 sulphur (liquid)	82	-----	82	-----	-----
3273 ammonia	232	125	-----	107	-----
3274 sodium hydroxide	11	2	-----	9	-----
3276 metallic salts	3	1	2	-----	-----
3282 pigments & paints	0	0	-----	-----	-----
3286 plastics	0	0	0	-----	-----
Total crude materials, inedible except fuels	538	351	180	-----	7
Subtotal forest products, wood and chips	0	-----	0	-----	-----
4189 lumber	0	-----	0	-----	-----
Subtotal soil, sand, gravel, rock and stone	306	299	-----	-----	7
4323 gypsum	306	299	-----	-----	7
Subtotal iron ore and scrap	35	-----	35	-----	-----
4420 iron & steel scrap	35	-----	35	-----	-----

SAN JOAQUIN RIVER, CA (INCLUDING COMMERCE OF PORT OF STOCKTON, CA)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal non-ferrous ores and scrap	39	39	-----	-----	-----
4680 non-ferrous scrap	12	12	-----	-----	-----
4690 non-ferrous ores nec	27	27	-----	-----	-----
Subtotal sulphur, clay and salt	157	13	144	-----	-----
4741 sulphur, (dry)	144	-----	144	-----	-----
4782 clay & refrac. mat.	13	13	-----	-----	-----
Subtotal other non-metal. min.	0	0	-----	-----	-----
4900 non-metal. min. nec	0	0	-----	-----	-----
Total primary manufactured goods	967	807	160	-----	-----
Subtotal lime, cement and glass	0	0	-----	-----	-----
5290 misc. mineral prod.	0	0	-----	-----	-----
Subtotal primary iron and steel products	966	807	160	-----	-----
5330 i&s plates & sheets	801	801	-----	-----	-----
5370 i&s pipe & tube	165	6	160	-----	-----
Total food and farm products	631	162	346	123	-----
Subtotal grain	440	-----	317	123	-----
6241 wheat	240	-----	240	-----	-----
6442 rice	77	-----	77	-----	-----
6443 barley & rye	123	-----	-----	123	-----
Subtotal oilseeds	27	-----	27	-----	-----
6590 oilseeds nec	27	-----	27	-----	-----
Subtotal vegetable products	0	-----	0	-----	-----
6654 vegetables & prod.	0	-----	0	-----	-----
Subtotal other agricultural products	164	162	2	-----	-----
6811 meat, fresh, frozen	0	-----	0	-----	-----
6838 tallow, animal oils	1	-----	1	-----	-----
6857 fruit & nuts nec	0	-----	0	-----	-----
6861 sugar	64	64	-----	-----	-----
6865 molasses	98	98	-----	-----	-----
6891 tobacco & products	0	0	-----	-----	-----
Total all manufactured equipment, machinery and products	0	0	0	-----	-----
7110 machinery (not elec)	0	0	0	-----	-----
7210 vehicles & parts	0	-----	0	-----	-----
7300 ordnance & access.	0	-----	0	-----	-----
7600 rubber & plastic pr.	0	0	-----	-----	-----
7900 manufac. prod. nec	0	0	-----	-----	-----
Ton-miles (x1000)	63,726		34,094		7
Foreign & Canadian		19,969		9,656	

SAN JOAQUIN RIVER, CA (INCLUDING COMMERCE OF PORT OF STOCKTON, CA)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Domestic			
		Coastwise	Internal		
		Receipts	Inbound Upbound	Outbound Downbnd	Through Upbound
Total, all commodities	271	165	101	3	2
Total petroleum and petroleum products	2	-----	2	-----	-----
Subtotal petroleum products	2	-----	2	-----	-----
2340 residual fuel oil	2	-----	2	-----	-----
Total chemicals and related products	165	165	-----	-----	-----
Subtotal fertilizers	9	9	-----	-----	-----
3190 fert. & mixes nec	9	9	-----	-----	-----
Subtotal other chemicals and related products	156	156	-----	-----	-----
3273 ammonia	67	67	-----	-----	-----
3274 sodium hydroxide	89	89	-----	-----	-----
Total crude materials, inedible except fuels	3	-----	-----	3	-----
Subtotal soil, sand, gravel, rock and stone	3	-----	-----	3	-----
4331 sand & gravel	3	-----	-----	3	-----
Total primary manufactured goods	13	-----	11	-----	2
Subtotal lime, cement and glass	13	-----	11	-----	2
5290 misc. mineral prod.	13	-----	11	-----	2
Total food and farm products	88	-----	88	-----	-----
Subtotal other agricultural products	88	-----	88	-----	-----
6865 molasses	88	-----	88	-----	-----
Ton-miles (x1000)	7,162		3,810		56
Domestic		3,289		8	
Tons All Traffic (x1000)	3,337				
Ton-miles All Traffic (x1000)	70,889				

STOCKTON, CA (INCLUDED IN SAN JOAQUIN RIVER, CA)

Section Included: Harbor at Stockton (and vicinity). Controlling Depth: 35 feet in Stockton Channel up to mouth of Mormon Channel; 8 feet in Mormon Channel; 8 feet in Fremont Channel, McLeod Lake and in the head of Stockton Channel. Project Depth: (Included in San Joaquin River project).

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	749	1990	1,732
1986	868	1991	1,491
1987	1,389	1992	1,719
1988	1,375	1993	1,103
1989	2,138	1994	1,609

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Coastwise	Internal
					Receipts	Receipts	Receipts
Total, all commodities	1,609	413	802	230	164	76	88
Total petroleum and petroleum products	49	-----	49	-----	-----	-----	-----
Subtotal petroleum products	49	-----	49	-----	-----	-----	-----
2350 lube oil & greases	0	-----	0	-----	-----	-----	-----
2540 petroleum coke	49	-----	49	-----	-----	-----	-----
Total chemicals and related products	494	228	83	107	76	76	-----
Subtotal fertilizers	111	101	-----	-----	9	9	-----
3110 nitrogenous fert.	38	38	-----	-----	-----	-----	-----
3190 fert. & mixes nec	72	63	-----	-----	9	9	-----
Subtotal other chemicals and related products	383	126	83	107	67	67	-----
3271 sulphur (liquid)	82	-----	82	-----	-----	-----	-----
3273 ammonia	299	125	-----	107	67	67	-----
3276 metallic salts	3	1	2	-----	-----	-----	-----
Total crude materials, inedible except fuels	178	13	165	-----	-----	-----	-----
Subtotal iron ore and scrap	35	-----	35	-----	-----	-----	-----
4420 iron & steel scrap	35	-----	35	-----	-----	-----	-----
Subtotal sulphur, clay and salt	143	13	130	-----	-----	-----	-----
4741 sulphur, (dry)	130	-----	130	-----	-----	-----	-----
4782 clay & refrac. mat.	13	13	-----	-----	-----	-----	-----
Total primary manufactured goods	170	11	160	-----	-----	-----	-----
Subtotal lime, cement and glass	0	0	-----	-----	-----	-----	-----
5290 misc. mineral prod.	0	0	-----	-----	-----	-----	-----
Subtotal primary iron and steel products	170	11	160	-----	-----	-----	-----
5330 i&s plates & sheets	5	5	-----	-----	-----	-----	-----

STOCKTON, CA (INCLUDED IN SAN JOAQUIN RIVER, CA)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Coastwise	Internal
					Receipts	Receipts	
5370 i&s pipe & tube	165	6	160	-----	-----	-----	
Total food and farm products	718	162	344	123	88	88	
Subtotal grain	440	-----	317	123	-----	-----	
6241 wheat	240	-----	240	-----	-----	-----	
6442 rice	77	-----	77	-----	-----	-----	
6443 barley & rye	123	-----	-----	123	-----	-----	
Subtotal oilseeds	27	-----	27	-----	-----	-----	
6590 oilseeds nec	27	-----	27	-----	-----	-----	
Subtotal vegetable products	0	-----	0	-----	-----	-----	
6654 vegetables & prod.	0	-----	0	-----	-----	-----	
Subtotal other agricultural products	250	162	0	-----	88	88	
6857 fruit & nuts nec	0	-----	0	-----	-----	-----	
6861 sugar	64	64	-----	-----	-----	-----	
6865 molasses	186	98	-----	-----	88	88	
6891 tobacco & products	0	0	-----	-----	-----	-----	
Total all manufactured equipment, machinery and products	0	0	0	-----	-----	-----	
7110 machinery (not elec)	0	-----	0	-----	-----	-----	
7600 rubber & plastic pr.	0	0	-----	-----	-----	-----	
7900 manufac. prod. nec	0	0	-----	-----	-----	-----	

Other Harbors and Waterways

Harbor or Waterway	Commodity	Tons Thousand
Project		
MIDDLE RIVER, CA	5290 misc. mineral prod.	2
	Total Tons(x1000)	2
	Total Ton-miles(x1000)	17
MOKELUMNE RIVER, CA	No Commerce Reported	
OLD RIVER, CA	No Commerce Reported	

TOTAL WATERBORNE COMMERCE OF THE SAN FRANCISCO BAY AND DELTA AREAS, CA

Freight Traffic, 1994
(thousand tons)

Locality	Foreign		Domestic				Total	Percent	Through*
	Imports	Exports	Coastwise		Internal				Traffic
			Receipts	Shipmnts	Receipts Shipmnts	Intraport			
ALVISO SLOUGH, CA	-----	-----	-----	-----	-----	-----	-----	0.00	-----
BERKELEY, CA	-----	-----	-----	-----	-----	-----	-----	0.00	-----
CARQUINEZ STRAIT, CA	1,831	2,801	6,904	3,033	4,065	118	18,751	21.08	7,367
COYOTE HILL SLOUGH, CA	-----	-----	-----	-----	-----	-----	-----	0.00	-----
NAPA RIVER, CA	-----	-----	-----	-----	80	-----	80	0.09	-----
NEWARK SLOUGH, CA	-----	-----	-----	-----	-----	-----	-----	0.00	-----
OAKLAND HARBOR, CA	4,924	5,503	334	1,138	1,015	-----	12,914	14.52	-----
OTHER SAN FRANCISCO BAY AREA PORTS, CA	402	701	6,509	15	8,101	70	15,797	17.76	-----
PETALUMA RIVER, CA	-----	-----	-----	-----	226	6	232	0.26	-----
REDWOOD CITY HARBOR, CA	300	276	3	209	59	-----	846	0.95	-----
RICHMOND HARBOR, CA	3,238	2,850	12,431	2,424	2,738	413	24,094	27.09	-----
SACRAMENTO RIVER, CA	227	981	333	4	29	-----	1,573	1.77	-----
SAN FRANCISCO HARBOR, CA	562	669	-----	-----	508	-----	1,739	1.95	-----
SAN JOAQUIN RIVER, CA**	1,831	1,236	165	-----	103	-----	3,335	3.75	2
SAN PABLO BAY AND MARE ISLAND STRAIT, CA	90	132	2,443	2,010	2,241	1	6,917	7.78	25,450
SAN RAFAEL CREEK, CA	-----	-----	-----	-----	-----	-----	-----	0.00	-----
SUISUN BAY CHANNEL, CA	12	360	37	305	1,950	-----	2,663	2.99	4,893
SUISUN CHANNEL, CA	-----	-----	-----	-----	1	-----	1	0.00	-----
TOTAL (UNADJUSTED)	13,416	15,508	29,158	9,137	21,115	608	88,942	-----	37,711
PERCENT (UNADJUSTED)	15.08	17.44	32.78	10.27	23.74	0.68	-----	100.00	-----
NET VOLUME OF TONNAGE FOR THE AREA***	13,416	15,508	29,158	9,137	10,559	608	78,386	-----	-----
PERCENT (ADJUSTED)	17.12	19.78	37.20	11.66	13.47	0.78	-----	100.00	-----

* Not included in the total tonnage of the Bay and Delta Areas.

** Tributaries to San Joaquin River include Mokelumne, Middle, and Old Rivers.

*** Adjusted to net volume by excluding duplication of internal traffic moved between ports and waterways of the San Francisco Bay and Delta Areas.

SAN FRANCISCO BAY ENTRANCE, CA

Section Included: Main ship channel. Controlling Depth: Main ship channel, 55.0 feet. Project Depth: Main ship channel, 55 feet.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	50,467	1990	61,599
1986	54,814	1991	61,150
1987	57,582	1992	67,119
1988	60,887	1993	65,364
1989	64,058	1994	67,220

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound	Downbnd	Upbound	Downbnd		Through	
							Upbound	Downbnd
Total, all commodities	67,219	12,401	15,401	1,015	107	38,295	29,158	9,137
Total coal	315	264	50	0	-----	0	-----	0
1100 coal lignite	8	-----	8	0	-----	-----	-----	-----
1200 coal coke	307	264	42	-----	-----	0	-----	0
Total petroleum and petroleum products	46,462	4,465	6,891	5	41	35,061	27,348	7,713
Subtotal crude petroleum	26,962	3,376	44	0	-----	23,541	23,387	154
2100 crude petroleum	26,962	3,376	44	0	-----	23,541	23,387	154
Subtotal petroleum products	19,501	1,088	6,847	5	41	11,520	3,961	7,559
2211 gasoline	6,273	55	253	-----	-----	5,965	1,384	4,582
2221 kerosene	186	-----	186	-----	-----	-----	-----	-----
2330 distillate fuel oil	3,302	72	584	5	19	2,624	845	1,779
2340 residual fuel oil	5,051	582	2,159	-----	22	2,287	1,670	617
2350 lube oil & greases	597	0	81	-----	-----	516	22	493
2410 petro. jelly & waxes	9	0	8	-----	-----	0	-----	0
2429 naphtha & solvents	2,762	363	2,302	-----	-----	97	40	57
2430 asphalt, tar & pitch	365	16	326	-----	-----	23	-----	23
2540 petroleum coke	946	0	946	-----	-----	0	-----	0
2640 liquid natural gas	2	-----	2	-----	-----	0	-----	0
2990 petro. products nec	8	-----	-----	-----	-----	8	0	8
Total chemicals and related products	3,299	814	779	673	1	1,032	871	161
Subtotal fertilizers	608	288	16	23	-----	280	264	16
3110 nitrogenous fert.	347	71	0	23	-----	252	252	0
3120 phosphatic fert.	0	-----	0	-----	-----	-----	-----	-----
3130 potassic fert.	1	0	1	-----	-----	0	-----	0
3190 fert. & mixes nec	260	217	15	-----	-----	28	12	16

SAN FRANCISCO BAY ENTRANCE, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound	Downbnd	Upbound	Downbnd		Through	
							Upbound	Downbnd
Subtotal other chemicals and related products	2,692	526	763	650	1	752	607	145
3211 acyclic hydrocarbons	81	0	63	-----	-----	18	0	18
3212 benzene & toluene	25	12	0	-----	-----	13	7	6
3219 other hydrocarbons	22	4	17	-----	-----	1	0	0
3220 alcohols	224	8	30	166	-----	20	16	4
3230 carboxylic acids	19	5	14	0	-----	0	0	0
3240 nitrogen func. comp.	28	3	25	-----	-----	0	0	-----
3250 organo- inorgan. comp	17	5	12	-----	-----	0	-----	0
3260 organic comp. nec	569	223	11	335	-----	-----	-----	-----
3271 sulphur (liquid)	82	0	82	-----	-----	-----	-----	-----
3272 sulphuric acid	4	-----	4	-----	-----	-----	-----	-----
3273 ammonia	430	139	4	139	-----	147	147	-----
3274 sodium hydroxide	213	2	9	10	-----	192	192	0
3275 inorg. elem., oxides, & halogen salts	31	10	19	0	-----	1	1	1
3276 metallic salts	42	11	25	0	1	5	-----	5
3279 inorganic chem. nec	3	1	2	-----	-----	0	0	-----
3281 radioactive material	3	0	2	-----	-----	1	1	-----
3282 pigments & paints	60	2	51	-----	-----	7	0	7
3283 coloring mat. nec	3	1	2	-----	0	-----	-----	-----
3284 medicines	6	2	3	-----	0	1	0	1
3285 perfumes & cleansers	66	3	34	-----	-----	29	0	29
3286 plastics	364	41	292	0	0	31	28	3
3291 pesticides	12	5	6	-----	-----	1	0	1
3292 starches, gluten, glue	46	30	16	-----	-----	0	0	0
3293 explosives	4	3	0	-----	-----	1	0	1
3297 chemical additives	292	0	18	-----	-----	273	210	64
3298 wood & resin chem.	1	0	1	-----	-----	0	0	0
3299 chem. products nec	45	15	20	0	-----	9	4	5
Total crude materials, inedible except fuels	3,942	1,047	2,494	111	58	232	14	218
Subtotal forest products, wood and chips	551	117	418	1	0	15	5	10
4110 rubber & gums	10	10	0	-----	-----	-----	-----	-----
4150 fuel wood	13	0	13	-----	-----	0	-----	0
4161 wood chips	224	0	219	-----	-----	4	-----	4
4170 wood in the rough	117	36	81	1	0	0	-----	0
4189 lumber	175	64	101	1	-----	9	5	4
4190 forest products nec	13	7	4	-----	-----	1	0	1
Subtotal pulp and waste paper	699	1	692	0	-----	5	5	0
4225 pulp & waste paper	699	1	692	0	-----	5	5	0
Subtotal soil, sand, gravel, rock and stone	810	777	7	16	7	2	0	1
4310 building stone	2	0	2	0	0	0	-----	0
4322 limestone	0	0	0	-----	-----	-----	-----	-----
4323 gypsum	788	777	4	-----	7	0	-----	0
4327 phosphate rock	0	0	-----	-----	-----	-----	-----	-----

SAN FRANCISCO BAY ENTRANCE, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic	
		Through		Through		Total	Coastwise
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
4331 sand & gravel	19	0	2	16	-----	0	0
4338 soil & fill dirt	1	-----	-----	-----	-----	1	1
Subtotal iron ore and scrap	1,053	0	958	93	-----	1	0
4410 iron ore	93	-----	-----	93	-----	-----	-----
4420 iron & steel scrap	960	0	958	-----	-----	1	0
Subtotal marine shells	0	0	0	-----	-----	0	0
4515 marine shells	0	0	0	-----	-----	0	0
Subtotal non-ferrous ores and scrap	220	121	95	0	-----	3	3
4630 copper ore	0	-----	0	-----	-----	-----	-----
4650 aluminum ore	80	80	1	-----	-----	-----	-----
4680 non-ferrous scrap	111	14	94	-----	-----	3	3
4690 non-ferrous ores nec	28	28	0	0	-----	-----	-----
Subtotal sulphur, clay and salt	249	29	216	0	-----	3	1
4741 sulphur, (dry)	163	16	147	-----	-----	-----	-----
4782 clay & refrac. mat.	86	14	69	0	-----	3	1
Subtotal slag	1	0	1	-----	-----	-----	-----
4860 slag	1	0	1	-----	-----	-----	-----
Subtotal other non-metal. min.	360	1	106	-----	51	203	203
4900 non-metal. min. nec	360	1	106	-----	51	203	203
Total primary manufactured goods	2,227	1,645	426	42	0	115	90
Subtotal paper products	227	83	77	42	0	25	22
5110 newsprint	63	18	3	41	-----	1	0
5120 paper & paperboard	101	37	61	0	-----	3	2
5190 paper products nec	63	28	12	0	0	22	21
Subtotal lime, cement and glass	233	149	62	0	0	21	19
5220 cement & concrete	4	1	1	-----	-----	2	2
5240 glass & glass prod.	64	38	25	0	0	2	1
5290 misc. mineral prod.	165	111	37	0	0	18	16
Subtotal primary iron and steel products	1,415	1,214	190	0	0	12	11
5312 pig iron	14	12	1	-----	-----	0	0
5315 ferro alloys	0	0	0	-----	-----	-----	-----
5320 i&s primary forms	7	6	1	-----	-----	0	0
5330 i&s plates & sheets	1,124	1,099	23	-----	0	2	2
5360 i&s bars & shapes	42	32	2	-----	-----	7	7
5370 i&s pipe & tube	222	58	162	0	-----	2	2
5390 primary i&s nec	7	7	1	0	-----	0	0
Subtotal primary non-ferrous metal products	311	187	71	0	0	53	37
5421 copper	18	5	11	-----	0	2	0
5422 aluminum	22	12	8	-----	-----	1	0
5429 smelted prod. nec	38	18	20	-----	-----	0	0

SAN FRANCISCO BAY ENTRANCE, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound	Downbnd	Upbound	Downbnd		Through	
							Upbound	Downbnd
5480 fab. metal products	233	153	31	0	0	49	13	36
Subtotal primary wood products	40	11	26	0	-----	3	2	1
5540 primary wood prod.	40	11	26	0	-----	3	2	1
Total food and farm products	6,816	1,146	4,160	178	6	1,326	775	551
Subtotal fish	38	13	23	0	0	1	0	1
6134 fish (not shellfish)	20	7	12	0	0	1	0	1
6136 shellfish	17	6	11	0	0	0	-----	0
Subtotal grain	1,392	46	1,117	170	-----	59	0	59
6241 wheat	371	0	371	-----	-----	0	-----	0
6344 corn	33	1	31	0	-----	1	-----	1
6442 rice	812	45	708	-----	-----	59	0	59
6443 barley & rye	173	-----	3	170	-----	-----	-----	-----
6445 oats	0	0	-----	-----	-----	-----	-----	-----
6447 sorghum grains	3	-----	3	-----	-----	-----	-----	-----
Subtotal oilseeds	62	3	59	-----	0	0	-----	0
6521 peanuts	1	-----	1	-----	0	-----	-----	-----
6522 soybeans	8	0	8	-----	-----	0	-----	0
6590 oilseeds nec	53	3	50	-----	0	0	-----	0
Subtotal vegetable products	840	231	548	3	0	58	3	55
6653 vegetable oils	263	155	105	2	-----	0	-----	0
6654 vegetables & prod.	577	76	443	1	0	58	3	54
Subtotal processed grain and animal feed	494	51	379	4	0	59	4	55
6746 wheat flour	18	0	4	-----	-----	14	0	14
6747 grain mill products	98	24	72	0	0	2	0	2
6781 hay & fodder	188	0	185	-----	-----	3	0	3
6782 animal feed, prep.	190	27	118	4	-----	40	4	36
Subtotal other agricultural products	3,990	801	2,034	1	5	1,149	767	382
6811 meat, fresh, frozen	606	107	436	0	0	63	5	58
6817 meat, prepared	22	6	14	-----	-----	1	-----	1
6822 dairy products	59	5	37	0	0	17	0	17
6835 fish, prepared	14	7	7	0	0	0	-----	0
6838 tallow, animal oils	34	0	34	-----	-----	-----	-----	-----
6839 animals & prod. nec	130	11	109	-----	-----	11	5	5
6856 bananas & plantains	0	0	0	-----	-----	0	-----	0
6857 fruit & nuts nec	575	11	541	0	-----	23	1	22
6858 fruit juices	365	176	142	0	0	47	46	1
6861 sugar	679	65	1	-----	-----	613	613	-----
6865 molasses	197	109	0	-----	-----	87	87	-----
6871 coffee	73	61	9	0	-----	3	1	2
6872 cocoa beans	21	21	0	-----	0	0	0	-----
6885 alcoholic beverages	344	143	129	0	5	67	1	67
6887 groceries	73	-----	-----	-----	-----	73	0	73
6888 water & ice	21	17	5	-----	-----	-----	-----	-----

SAN FRANCISCO BAY ENTRANCE, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound	Downbnd	Upbound	Downbnd		Through	
							Upbound	Downbnd
6889 food products nec	369	57	172	0	0	139	6	134
6891 tobacco & products	35	2	33	-----	-----	1	0	0
6893 cotton	350	0	350	-----	-----	1	1	0
6894 natural fibers nec	0	0	0	-----	-----	-----	-----	-----
6899 farm products nec	23	4	16	0	-----	3	1	1
Total all manufactured equipment, machinery and products	4,080	3,004	579	1	0	495	120	375
7110 machinery (not elec)	863	738	90	1	0	34	13	21
7120 electrical machinery	457	347	105	0	0	5	1	4
7210 vehicles & parts	1,413	1,125	171	0	0	117	24	93
7220 aircraft & parts	1	0	1	-----	-----	0	0	0
7230 ships & boats	2	1	1	0	0	1	0	0
7300 ordnance & access.	10	3	4	-----	-----	3	2	1
7400 manufac. wood prod.	72	27	26	0	0	20	14	6
7500 textile products	244	195	47	0	0	2	0	2
7600 rubber & plastic pr.	174	117	52	0	0	5	0	5
7900 manufac. prod. nec	844	451	83	0	0	309	66	243
Total unknown or not elsewhere classified	78	17	21	5	1	34	6	28
9900 unknown or nec	78	17	21	5	1	34	6	28

SAN FRANCISCO HARBOR, CA

Section Included: From Fort Point to San Francisco Airport on the west side of the San Francisco Bay. Controlling Depth: Main ship channel, 55.0 feet; Presidio Shoal, 34.1 feet; Black Point Shoal, 35.5 feet; Rincon Reef Rock (inner), 41 feet; Rincon Reef (outer), 42.5 feet; Blossom Rock, 40 feet; Alcatraz Shoal, 34.5 feet; Arch Rock, 36.2 feet; Harding Rocks, 36.7 feet; Shag Rocks 1 and 2, 36.9 feet; Point Knox Shoal, 38.2 feet; Islais Creek Shoal, 38.2 feet; channel and basin at San Francisco Airport, 6.8 feet in the maintained 200-foot wide southerly portion; 8 feet in the maintained portion of turning basin, 8.6 feet to seaplane ramp. Project Depth: 55 feet in entrance channel across the bar; 40 feet across Presidio Shoal, Black Point Shoal, Blossom Rock, Rincon Reef Rock, and a portion of Alcatraz Shoal; 37 feet across Arch, Shag, and Harding Rocks; 35 feet across Raccoon Shoal, and the western part of Point Knox Shoal; 35 feet across Islais Creek Shoal; 10 feet to the San Francisco Airport.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	3,762	1990	2,297
1986	2,774	1991	2,898
1987	2,823	1992	3,198
1988	2,275	1993	2,340
1989	3,359	1994	1,739

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total	Internal	
							Receipts	Shipments
Total, all commodities	1,739	478	668	84	1	508	402	106
Total coal	0	-----	0	-----	-----	-----	-----	-----
1200 coal coke	0	-----	0	-----	-----	-----	-----	-----
Total petroleum and petroleum products	635	185	232	-----	-----	219	113	106
Subtotal crude petroleum	226	94	-----	-----	-----	132	27	104
2100 crude petroleum	226	94	-----	-----	-----	132	27	104
Subtotal petroleum products	409	90	232	-----	-----	87	85	2
2330 distillate fuel oil	66	-----	66	-----	-----	-----	-----	-----
2340 residual fuel oil	154	37	29	-----	-----	87	85	2
2350 lube oil & greases	0	0	0	-----	-----	-----	-----	-----
2410 petro. jelly & waxes	1	-----	1	-----	-----	-----	-----	-----
2429 naphtha & solvents	140	37	103	-----	-----	-----	-----	-----
2430 asphalt, tar & pitch	16	16	-----	-----	-----	-----	-----	-----
2540 petroleum coke	32	-----	32	-----	-----	-----	-----	-----
Total chemicals and related products	70	5	23	42	-----	-----	-----	-----
Subtotal fertilizers	1	0	1	-----	-----	-----	-----	-----
3110 nitrogenous fert.	0	0	-----	-----	-----	-----	-----	-----
3130 potassic fert.	0	-----	0	-----	-----	-----	-----	-----

SAN FRANCISCO HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic	
		Imports	Exports	Imports	Exports	Total	Internal Receipts Shipments
3190 fert. & mixes nec	1	0	1	-----	-----	-----	-----
Subtotal other chemicals and related products	69	5	22	42	-----	-----	-----
3219 other hydrocarbons	0	-----	0	-----	-----	-----	-----
3220 alcohols	1	1	0	-----	-----	-----	-----
3230 carboxylic acids	0	0	0	-----	-----	-----	-----
3240 nitrogen func. comp.	1	0	1	-----	-----	-----	-----
3250 organo- inorgan. comp	1	0	1	-----	-----	-----	-----
3260 organic comp. nec	42	0	0	42	-----	-----	-----
3271 sulphur (liquid)	0	0	-----	-----	-----	-----	-----
3272 sulphuric acid	0	-----	0	-----	-----	-----	-----
3273 ammonia	0	-----	0	-----	-----	-----	-----
3274 sodium hydroxide	1	-----	1	-----	-----	-----	-----
3275 inorg. elem.,oxides, & halogen salts	1	0	0	-----	-----	-----	-----
3276 metallic salts	11	0	10	-----	-----	-----	-----
3279 inorganic chem. nec	2	0	1	-----	-----	-----	-----
3282 pigments & paints	0	0	0	-----	-----	-----	-----
3283 coloring mat. nec	0	0	0	-----	-----	-----	-----
3284 medicines	0	0	0	-----	-----	-----	-----
3285 perfumes & cleansers	3	0	3	-----	-----	-----	-----
3286 plastics	3	1	2	-----	-----	-----	-----
3291 pesticides	0	0	0	-----	-----	-----	-----
3292 starches, gluten, glue	1	0	0	-----	-----	-----	-----
3293 explosives	0	-----	0	-----	-----	-----	-----
3297 chemical additives	1	-----	1	-----	-----	-----	-----
3298 wood & resin chem.	0	-----	0	-----	-----	-----	-----
3299 chem. products nec	1	0	0	-----	-----	-----	-----
Total crude materials, inedible except fuels	469	43	145	-----	-----	281	281
Subtotal forest products, wood and chips	34	26	7	-----	-----	-----	-----
4110 rubber & gums	0	0	-----	-----	-----	-----	-----
4150 fuel wood	0	0	0	-----	-----	-----	-----
4170 wood in the rough	12	12	0	-----	-----	-----	-----
4189 lumber	20	13	6	-----	-----	-----	-----
4190 forest products nec	2	1	0	-----	-----	-----	-----
Subtotal pulp and waste paper	82	-----	82	-----	-----	-----	-----
4225 pulp & waste paper	82	-----	82	-----	-----	-----	-----
Subtotal soil, sand, gravel, rock and stone	281	0	1	-----	-----	281	281
4310 building stone	0	0	-----	-----	-----	-----	-----
4322 limestone	0	0	-----	-----	-----	-----	-----
4323 gypsum	0	0	-----	-----	-----	-----	-----
4331 sand & gravel	281	0	1	-----	-----	281	281
Subtotal iron ore and scrap	33	0	33	-----	-----	-----	-----
4420 iron & steel scrap	33	0	33	-----	-----	-----	-----

SAN FRANCISCO HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic	
		Imports	Exports	Imports	Exports	Total Receipts	Internal Shipments
Subtotal marine shells	0	0	0				
4515 marine shells	0	0					
Subtotal non-ferrous ores and scrap	11	1	10				
4680 non-ferrous scrap	10	0	10				
4690 non-ferrous ores nec	1	1	0				
Subtotal sulphur, clay and salt	17	16	1				
4741 sulphur, (dry)	16	16					
4782 clay & refrac. mat.	1	0	1				
Subtotal other non-metal. min.	11	0	11				
4900 non-metal. min. nec	11	0	11				
Total primary manufactured goods	101	40	12	41		8	8
Subtotal paper products	46	1	4	41			
5110 newsprint	41			41			
5120 paper & paperboard	4	0	4				
5190 paper products nec	1	0	0				
Subtotal lime, cement and glass	19	7	4			8	8
5240 glass & glass prod.	1	1	0				
5290 misc. mineral prod.	18	6	4			8	8
Subtotal primary iron and steel products	20	19	1	0			
5312 pig iron	12	12					
5315 ferro alloys	0	0					
5320 i&s primary forms	0		0				
5330 i&s plates & sheets	3	2	1				
5360 i&s bars & shapes	2	2					
5370 i&s pipe & tube	2	2	0				
5390 primary i&s nec	1	1	0	0			
Subtotal primary non-ferrous metal products	14	12	2				
5421 copper	1	0	1				
5422 aluminum	0	0	0				
5429 smelted prod. nec	1	1	0				
5480 fab. metal products	13	11	1				
Subtotal primary wood products	3	2	0				
5540 primary wood prod.	3	2	0				
Total food and farm products	379	139	239	0	1		
Subtotal fish	3	1	1				
6134 fish (not shellfish)	2	1	1				
6136 shellfish	1	0	1				
Subtotal grain	30	26	3	0			
6344 corn	2	0	2	0			

SAN FRANCISCO HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic	
		Imports	Exports	Imports	Exports	Total Receipts	Internal Shipments
6442 rice	28	26	1				
Subtotal oilseeds	1	1	1		0		
6521 peanuts	0		0		0		
6522 soybeans	0	0					
6590 oilseeds nec	1	1	1				
Subtotal vegetable products	56	20	36	0	0		
6653 vegetable oils	5	0	4				
6654 vegetables & prod.	52	20	32	0	0		
Subtotal processed grain and animal feed	73	24	49		0		
6746 wheat flour	1	0	1				
6747 grain mill products	9	6	2		0		
6781 hay & fodder	26		26				
6782 animal feed, prep.	38	18	20				
Subtotal other agricultural products	215	66	149	0	0		
6811 meat, fresh, frozen	31	1	31				
6817 meat, prepared	3	2	1				
6822 dairy products	3		3				
6835 fish, prepared	3	2	2				
6838 tallow, animal oils	22		22				
6839 animals & prod. nec	3	1	2				
6856 bananas & plantains	0	0					
6857 fruit & nuts nec	17	5	12	0			
6858 fruit juices	20	9	11		0		
6861 sugar	0	0	0				
6871 coffee	34	31	3				
6872 cocoa beans	4	4					
6885 alcoholic beverages	6	3	3	0	0		
6888 water & ice	0		0				
6889 food products nec	27	9	18	0			
6891 tobacco & products	0	0	0				
6893 cotton	42		42				
6894 natural fibers nec	0	0					
6899 farm products nec	1	0	1	0			
Total all manufactured equipment, machinery and products	82	64	17	1	0		
7110 machinery (not elec)	9	4	4	1			
7120 electrical machinery	12	9	3				
7210 vehicles & parts	20	18	2				
7220 aircraft & parts	0	0	0				
7230 ships & boats	0	0	0		0		
7300 ordnance & access.	0	0	0				
7400 manufac. wood prod.	3	1	1				
7500 textile products	9	6	3				
7600 rubber & plastic pr.	6	5	1		0		
7900 manufac. prod. nec	24	21	4				

SAN FRANCISCO HARBOR, CA
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total	Internal	
							Receipts	Shipments
Total unknown or not elsewhere classified	4	2	2	0	-----	-----	-----	-----
9900 unknown or nec	4	2	2	0	-----	-----	-----	-----

REDWOOD CITY HARBOR, CA

Section Included: San Bruno Shoal channel 500 feet wide and about 4 miles long across; Redwood City Harbor channel, a channel from deep water in San Francisco Bay to Steinberger Slough. Controlling Depth: 30.8 feet in San Bruno Shoal channel; 29.8 feet in San Francisco Bay to Beacon No.8; 29.7 feet to Beacon No.15 and beginning of (outer) Turning Basin No.1; 29.5 feet in Turning Basin No.1; 29.5 feet in Turning Basin No.1; 28.5 feet to (upper) Turning Basin No.2; 29.1 in turning basin. Project Depth: 30 feet in San Bruno Shoal Channel; 30 feet to the head of the turning basin in Redwood Creek; 5 feet to Steinberger Slough, and 4 feet in Steinberger Slough.

Comparative Statement of Traffic
 (thousand tons)

Year	Total	Year	Total
1985	901	1990	499
1986	521	1991	507
1987	664	1992	816
1988	747	1993	1,829
1989	945	1994	846

Freight Traffic, 1994
 (thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports		Total	Coastwise	Internal
						Receipts	Shipments
Total, all commodities	846	300	224	52	270	3	209
Total petroleum and petroleum products	1	-----	-----	-----	1	-----	1
Subtotal petroleum products	1	-----	-----	-----	1	-----	1
2340 residual fuel oil	1	-----	-----	-----	1	-----	1
Total chemicals and related products	14	-----	-----	1	13	3	11
Subtotal other chemicals and related products	14	-----	-----	1	13	3	11
3276 metallic salts	6	-----	-----	1	5	-----	5
3297 chemical additives	5	-----	-----	-----	5	-----	5
3299 chem. products nec	3	-----	-----	-----	3	3	-----

REDWOOD CITY HARBOR, CA
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Exports	Total	Coastwise	Internal
					Receipts	Shipments	Receipts
Total crude materials, inedible except fuels	831	300	224	51	256	198	58
Subtotal soil, sand, gravel, rock and stone	358	300	-----	-----	58	-----	58
4323 gypsum	300	300	-----	-----	-----	-----	-----
4331 sand & gravel	58	-----	-----	-----	58	-----	58
Subtotal iron ore and scrap	224	-----	224	-----	-----	-----	-----
4420 iron & steel scrap	224	-----	224	-----	-----	-----	-----
Subtotal non-ferrous ores and scrap	3	-----	-----	-----	3	3	-----
4680 non-ferrous scrap	3	-----	-----	-----	3	3	-----
Subtotal other non-metal. min.	246	-----	-----	51	195	195	-----
4900 non-metal. min. nec	246	-----	-----	51	195	195	-----
Total primary manufactured goods	0	-----	-----	-----	0	-----	0
Subtotal lime, cement and glass	0	-----	-----	-----	0	-----	0
5290 misc. mineral prod.	0	-----	-----	-----	0	-----	0

OAKLAND HARBOR, CA

Section Included: Outer and inner harbor from deep water in San Francisco Bay to San Leandro Bay, a distance of 8.5 miles. Controlling Depth: 37.1 feet in the entrance channel of the outer harbor to Bart Tube; 34.5 to Albers Mill; 34.7 to Shed 5; 34.8 feet in the entrance channel to the inner harbor; 34.4 feet in inner harbor to foot of Ferro Street; 34.2 feet to Posey Tube; 34.0 feet at Posey Tube; 34.5 feet to Fortmann Basin; 24.0 feet to Park Street Bridge; 15.3 feet in tidal canal to Fruitvale Avenue Bridge; 14.4 feet in tidal canal to San Leandro Bay; 7 feet in north channel of Brooklyn Basin. Project Depth: 35 feet in the entrance channel to the outer harbor; 35 feet in the outer harbor; 35 feet in the entrance channel to the inner harbor; 35 feet in the inner harbor to the Park Street bridge; 25 feet in the tidal canal to San Leandro Bay; 35 feet for a distance of 1,300 feet thence 25 feet in north channel of Brooklyn Basin (maintained 18 feet).

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	7,953	1990	10,290
1986	8,248	1991	10,356
1987	9,212	1992	13,211
1988	10,141	1993	12,734
1989	10,000	1994	12,914

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	10,427	4,816	5,496	108	7
Total coal	8	0	8	0	-----
1100 coal lignite	8	-----	8	0	-----
1200 coal coke	0	0	0	-----	-----
Total petroleum and petroleum products	470	437	28	5	-----
Subtotal crude petroleum	392	392	-----	0	-----
2100 crude petroleum	392	392	-----	0	-----
Subtotal petroleum products	78	45	28	5	-----
2211 gasoline	19	18	0	-----	-----
2330 distillate fuel oil	6	-----	1	5	-----
2340 residual fuel oil	2	-----	2	-----	-----
2350 lube oil & greases	11	0	10	-----	-----
2410 petro. jelly & waxes	7	0	7	-----	-----
2429 naphtha & solvents	27	26	1	-----	-----
2430 asphalt, tar & pitch	2	0	2	-----	-----
2540 petroleum coke	3	0	3	-----	-----
2640 liquid natural gas	2	-----	2	-----	-----
Total chemicals and related products	894	288	606	1	0
Subtotal fertilizers	154	138	16	-----	-----
3110 nitrogenous fert.	17	17	0	-----	-----
3120 phosphatic fert.	0	-----	0	-----	-----
3130 potassic fert.	1	0	1	-----	-----
3190 fert. & mixes nec	135	121	14	-----	-----
Subtotal other chemicals and related products	741	150	590	1	0
3211 acyclic hydrocarbons	2	0	2	-----	-----
3212 benzene & toluene	0	-----	0	-----	-----

OAKLAND HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
3219 other hydrocarbons	21	4	17	-----	-----
3220 alcohols	35	6	29	-----	-----
3230 carboxylic acids	18	5	13	0	-----
3240 nitrogen func. comp.	27	2	25	-----	-----
3250 organo- inorgan. comp	15	4	11	-----	-----
3260 organic comp. nec	13	1	11	-----	-----
3272 sulphuric acid	4	-----	4	-----	-----
3273 ammonia	18	14	4	-----	-----
3274 sodium hydroxide	8	0	8	-----	-----
3275 inorg. elem., oxides, & halogen salts	29	10	19	0	-----
3276 metallic salts	20	7	12	0	-----
3279 inorganic chem. nec	2	1	1	-----	-----
3281 radioactive material	2	0	2	-----	-----
3282 pigments & paints	52	2	50	-----	-----
3283 coloring mat. nec	3	1	2	-----	0
3284 medicines	5	2	3	-----	0
3285 perfumes & cleansers	33	3	30	-----	-----
3286 plastics	329	40	289	0	0
3291 pesticides	11	5	6	-----	-----
3292 starches, gluten, glue	45	29	16	-----	-----
3293 explosives	3	3	0	-----	-----
3297 chemical additives	14	0	13	-----	-----
3298 wood & resin chem.	1	0	1	-----	-----
3299 chem. products nec	32	11	20	0	-----
Total crude materials, inedible except fuels	1,541	70	1,376	95	0
Subtotal forest products, wood and chips	203	62	139	1	0
4110 rubber & gums	10	10	0	-----	-----
4150 fuel wood	4	0	4	-----	-----
4161 wood chips	1	0	1	-----	-----
4170 wood in the rough	42	1	40	1	0
4189 lumber	138	45	92	1	-----
4190 forest products nec	9	6	4	-----	-----
Subtotal pulp and waste paper	598	1	597	0	-----
4225 pulp & waste paper	598	1	597	0	-----
Subtotal soil, sand, gravel, rock and stone	7	1	7	0	0
4310 building stone	2	0	2	0	0
4322 limestone	0	0	0	-----	-----
4323 gypsum	4	0	4	-----	-----
4327 phosphate rock	0	0	-----	-----	-----
4331 sand & gravel	2	0	2	-----	-----
Subtotal iron ore and scrap	505	0	411	93	-----
4410 iron ore	93	-----	-----	93	-----
4420 iron & steel scrap	411	0	411	-----	-----
Subtotal marine shells	0	0	0	-----	-----
4515 marine shells	0	0	0	-----	-----
Subtotal non-ferrous ores and scrap	89	4	85	0	-----
4630 copper ore	0	-----	0	-----	-----
4650 aluminum ore	3	2	1	-----	-----

OAKLAND HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
4680 non-ferrous scrap	85	1	84	-----	-----
4690 non-ferrous ores nec	1	0	0	0	-----
Subtotal sulphur, clay and salt	42	1	41	0	-----
4741 sulphur, (dry)	2	-----	2	-----	-----
4782 clay & refrac. mat.	40	1	39	0	-----
Subtotal slag	1	0	1	-----	-----
4860 slag	1	0	1	-----	-----
Subtotal other non-metal. min.	95	1	94	-----	0
4900 non-metal. min. nec	95	1	94	-----	0
Total primary manufactured goods	882	636	245	0	0
Subtotal paper products	130	65	65	0	0
5110 newsprint	4	0	3	0	-----
5120 paper & paperboard	87	37	50	0	-----
5190 paper products nec	40	28	12	0	0
Subtotal lime, cement and glass	200	142	58	0	0
5220 cement & concrete	2	1	1	-----	-----
5240 glass & glass prod.	61	36	24	0	0
5290 misc. mineral prod.	138	105	33	0	0
Subtotal primary iron and steel products	274	245	29	0	0
5312 pig iron	1	0	1	-----	-----
5315 ferro alloys	0	0	0	-----	-----
5320 i&s primary forms	6	6	1	-----	-----
5330 i&s plates & sheets	175	154	22	-----	0
5360 i&s bars & shapes	32	30	2	-----	-----
5370 i&s pipe & tube	52	50	2	0	-----
5390 primary i&s nec	6	6	1	-----	-----
Subtotal primary non-ferrous metal products	243	175	68	0	0
5421 copper	15	4	11	-----	0
5422 aluminum	20	12	8	-----	-----
5429 smelted prod. nec	37	17	20	-----	-----
5480 fab. metal products	171	142	29	0	0
Subtotal primary wood products	34	8	25	0	-----
5540 primary wood prod.	34	8	25	0	-----
Total food and farm products	3,441	672	2,762	2	5
Subtotal fish	34	12	21	0	0
6134 fish (not shellfish)	18	6	11	0	-----
6136 shellfish	16	6	10	0	0
Subtotal grain	128	20	108	-----	-----
6241 wheat	23	0	23	-----	-----
6344 corn	29	1	29	-----	-----
6442 rice	72	19	53	-----	-----
6443 barley & rye	0	-----	0	-----	-----
6445 oats	0	0	-----	-----	-----
6447 sorghum grains	3	-----	3	-----	-----
Subtotal oilseeds	14	3	11	-----	0
6521 peanuts	0	-----	0	-----	-----

OAKLAND HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
6522 soybeans	8	0	8	-----	-----
6590 oilseeds nec	5	3	2	-----	0
Subtotal vegetable products	495	64	431	1	-----
6653 vegetable oils	29	7	22	0	-----
6654 vegetables & prod.	466	56	409	1	-----
Subtotal processed grain and animal feed	349	21	327	0	0
6746 wheat flour	4	0	3	-----	-----
6747 grain mill products	86	17	69	0	0
6781 hay & fodder	160	0	160	-----	-----
6782 animal feed, prep.	99	4	95	0	-----
Subtotal other agricultural products	2,422	552	1,864	1	5
6811 meat, fresh, frozen	508	106	402	0	0
6817 meat, prepared	18	4	14	-----	-----
6822 dairy products	39	5	34	0	0
6835 fish, prepared	11	6	5	0	0
6838 tallow, animal oils	1	0	1	-----	-----
6839 animals & prod. nec	117	10	107	-----	-----
6856 bananas & plantains	0	0	0	-----	-----
6857 fruit & nuts nec	533	6	526	0	-----
6858 fruit juices	296	167	129	0	0
6861 sugar	1	1	1	-----	-----
6865 molasses	3	2	0	-----	-----
6871 coffee	35	30	5	0	-----
6872 cocoa beans	7	7	0	-----	0
6885 alcoholic beverages	269	140	125	0	5
6888 water & ice	21	17	5	-----	-----
6889 food products nec	203	48	154	0	0
6891 tobacco & products	33	1	32	-----	-----
6893 cotton	308	0	308	-----	-----
6894 natural fibers nec	0	0	0	-----	-----
6899 farm products nec	19	4	15	0	-----
Total all manufactured equipment, machinery and products	3,153	2,699	452	1	0
7110 machinery (not elec)	814	730	84	0	0
7120 electrical machinery	439	337	102	0	0
7210 vehicles & parts	944	872	71	0	0
7220 aircraft & parts	1	0	1	-----	-----
7230 ships & boats	1	1	0	0	-----
7300 ordnance & access.	4	3	1	-----	-----
7400 manufac. wood prod.	50	25	24	0	0
7500 textile products	227	189	38	0	0
7600 rubber & plastic pr.	163	112	51	0	0
7900 manufac. prod. nec	509	430	79	0	0
Total unknown or not elsewhere classified	40	15	19	5	1
9900 unknown or nec	40	15	19	5	1

OAKLAND HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	2,487	334	1,138	924	91
Total coal	0	-----	0	-----	-----
1200 coal coke	0	-----	0	-----	-----
Total petroleum and petroleum products	632	0	12	617	3
Subtotal petroleum products	632	0	12	617	3
2211 gasoline	0	-----	0	-----	-----
2330 distillate fuel oil	5	-----	-----	5	-----
2340 residual fuel oil	618	-----	2	613	3
2350 lube oil & greases	3	0	3	-----	-----
2410 petro. jelly & waxes	0	-----	0	-----	-----
2540 petroleum coke	0	-----	0	-----	-----
2640 liquid natural gas	0	-----	0	-----	-----
2990 petro. products nec	6	0	6	-----	-----
Total chemicals and related products	75	9	67	-----	-----
Subtotal fertilizers	18	2	16	-----	-----
3110 nitrogenous fert.	0	-----	0	-----	-----
3130 potassic fert.	0	-----	0	-----	-----
3190 fert. & mixes nec	18	2	16	-----	-----
Subtotal other chemicals and related products	57	6	51	-----	-----
3211 acyclic hydrocarbons	0	0	-----	-----	-----
3219 other hydrocarbons	1	0	0	-----	-----
3220 alcohols	2	0	2	-----	-----
3230 carboxylic acids	0	0	0	-----	-----
3240 nitrogen func. comp.	0	0	-----	-----	-----
3250 organo- inorgan. comp	0	-----	0	-----	-----
3274 sodium hydroxide	0	-----	0	-----	-----
3275 inorg. elem.,oxides, & halogen salts	1	1	1	-----	-----
3276 metallic salts	0	-----	0	-----	-----
3279 inorganic chem. nec	0	0	-----	-----	-----
3281 radioactive material	1	1	-----	-----	-----
3282 pigments & paints	7	0	7	-----	-----
3284 medicines	1	0	1	-----	-----
3285 perfumes & cleansers	29	0	29	-----	-----
3286 plastics	5	2	3	-----	-----
3291 pesticides	1	0	1	-----	-----
3292 starches, gluten, glue	0	0	0	-----	-----
3293 explosives	1	0	1	-----	-----
3297 chemical additives	0	-----	0	-----	-----
3298 wood & resin chem.	0	0	0	-----	-----
3299 chem. products nec	6	1	5	-----	-----
Total crude materials, inedible except fuels	336	14	15	306	-----
Subtotal forest products, wood and chips	10	5	6	-----	-----
4150 fuel wood	0	-----	0	-----	-----
4161 wood chips	0	-----	0	-----	-----

OAKLAND HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
4170 wood in the rough	0	-----	0	-----	-----
4189 lumber	9	5	4	-----	-----
4190 forest products nec	1	0	1	-----	-----
Subtotal pulp and waste paper	5	5	0	-----	-----
4225 pulp & waste paper	5	5	0	-----	-----
Subtotal soil, sand, gravel, rock and stone	308	0	1	306	-----
4310 building stone	0	-----	0	-----	-----
4323 gypsum	0	-----	0	-----	-----
4331 sand & gravel	307	-----	0	306	-----
4338 soil & fill dirt	1	0	1	-----	-----
Subtotal iron ore and scrap	1	1	0	-----	-----
4420 iron & steel scrap	1	1	0	-----	-----
Subtotal marine shells	0	-----	0	-----	-----
4515 marine shells	0	-----	0	-----	-----
Subtotal non-ferrous ores and scrap	0	0	0	-----	-----
4680 non-ferrous scrap	0	0	0	-----	-----
Subtotal sulphur, clay and salt	3	3	1	-----	-----
4782 clay & refrac. mat.	3	3	1	-----	-----
Subtotal other non-metal. min.	8	0	7	-----	-----
4900 non-metal. min. nec	8	0	7	-----	-----
Total primary manufactured goods	115	24	90	-----	-----
Subtotal paper products	25	3	22	-----	-----
5110 newsprint	1	1	0	-----	-----
5120 paper & paperboard	3	1	2	-----	-----
5190 paper products nec	22	2	21	-----	-----
Subtotal lime, cement and glass	21	2	19	-----	-----
5220 cement & concrete	2	0	2	-----	-----
5240 glass & glass prod.	2	0	1	-----	-----
5290 misc. mineral prod.	18	2	16	-----	-----
Subtotal primary iron and steel products	12	1	11	-----	-----
5312 pig iron	0	-----	0	-----	-----
5320 i&s primary forms	0	-----	0	-----	-----
5330 i&s plates & sheets	2	1	2	-----	-----
5360 i&s bars & shapes	7	0	7	-----	-----
5370 i&s pipe & tube	2	0	2	-----	-----
5390 primary i&s nec	0	-----	0	-----	-----
Subtotal primary non-ferrous metal products	53	16	37	-----	-----
5421 copper	2	2	0	-----	-----
5422 aluminum	1	1	0	-----	-----
5429 smelted prod. nec	0	0	0	-----	-----
5480 fab. metal products	49	13	36	-----	-----
Subtotal primary wood products	3	2	1	-----	-----
5540 primary wood prod.	3	2	1	-----	-----

OAKLAND HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total food and farm products	801	162	551	-----	88
Subtotal fish	1	0	1	-----	-----
6134 fish (not shellfish)	1	0	1	-----	-----
6136 shellfish	0	-----	0	-----	-----
Subtotal grain	59	0	59	-----	-----
6241 wheat	0	-----	0	-----	-----
6344 corn	1	-----	1	-----	-----
6442 rice	59	0	59	-----	-----
Subtotal oilseeds	0	-----	0	-----	-----
6522 soybeans	0	-----	0	-----	-----
6590 oilseeds nec	0	-----	0	-----	-----
Subtotal vegetable products	58	3	55	-----	-----
6653 vegetable oils	0	-----	0	-----	-----
6654 vegetables & prod.	58	3	54	-----	-----
Subtotal processed grain and animal feed	59	4	55	-----	-----
6746 wheat flour	14	0	14	-----	-----
6747 grain mill products	2	0	2	-----	-----
6781 hay & fodder	3	0	3	-----	-----
6782 animal feed, prep.	40	4	36	-----	-----
Subtotal other agricultural products	624	154	382	-----	88
6811 meat, fresh, frozen	63	5	58	-----	-----
6817 meat, prepared	1	-----	1	-----	-----
6822 dairy products	17	0	17	-----	-----
6835 fish, prepared	0	-----	0	-----	-----
6839 animals & prod. nec	11	5	5	-----	-----
6856 bananas & plantains	0	-----	0	-----	-----
6857 fruit & nuts nec	23	1	22	-----	-----
6858 fruit juices	47	46	1	-----	-----
6865 molasses	176	87	-----	-----	88
6871 coffee	3	1	2	-----	-----
6872 cocoa beans	0	0	-----	-----	-----
6885 alcoholic beverages	67	1	67	-----	-----
6887 groceries	73	0	73	-----	-----
6889 food products nec	139	6	134	-----	-----
6891 tobacco & products	1	0	0	-----	-----
6893 cotton	1	1	0	-----	-----
6899 farm products nec	3	1	1	-----	-----
Total all manufactured equipment, machinery and products	494	119	374	-----	0
7110 machinery (not elec)	34	13	21	-----	0
7120 electrical machinery	5	1	4	-----	-----
7210 vehicles & parts	117	24	93	-----	-----
7220 aircraft & parts	0	0	0	-----	-----
7230 ships & boats	1	0	0	-----	-----
7300 ordnance & access.	1	1	0	-----	-----
7400 manufac. wood prod.	20	14	6	-----	-----
7500 textile products	2	0	2	-----	-----
7600 rubber & plastic pr.	5	0	5	-----	-----

OAKLAND HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
7900 manufac. prod. nec	309	66	243	-----	-----
Total unknown or not elsewhere classified	34	6	28	-----	-----
9900 unknown or nec	34	6	28	-----	-----

RICHMOND HARBOR, CA

Section Included: Inner harbor, from southern end of Richmond Long Wharf maneuvering area to the head of Santa Fe Channel, a distance of about 5 miles; outer harbor, from southern end of maneuvering area at Richmond Long Wharf to Point San Pablo and the north side of Point San Pablo; includes a connecting channel (Southampton Channel) to the Richmond Long Wharf maneuvering area and approach areas at Point San Pablo and Point Orient. Controlling Depth: 45.7 feet in Southampton Channel (connecting channel from San Francisco Bay to Richmond Long Wharf maneuvering area); 44.7 feet in maneuvering area to Richmond Long Wharf; 34.8 feet from Richmond Long Wharf maneuvering area to turning basin Point Richmond; 34.8 feet in Pt. Richmond turning basin; 34.5 feet to Point Potrero; 34.0 feet in turning basin at Point Potrero; Point Potrero (southerly apex only) 28.7 feet; 34.7 feet to Lauritzen Canal then 30.4 feet in Santa Fe Channel to upper turning basin; 30.4 feet in upper turning basin; 27 feet in approach to Point Orient; 26 feet in approach to Point San Pablo; 30.6 feet at Molate Point; and 33.4 feet in West Richmond Channel. Project Depth: 45 feet in connecting channel (Southampton Channel) from San Francisco Bay to Richmond Long Wharf maneuvering area; 45 feet in maneuvering area to Richmond Long Wharf; 35 feet to turning basin at Pt. Richmond; 35 feet to Point Potrero; 35 feet to Santa Fe Channel; 35 feet in Santa Fe Channel for approximately 2,000 feet then 30 feet in the remainder of Santa Fe Channel and turning basin; 20 feet in channel east of Point San Pablo Channel; 32 feet in approach to Point Orient; 32 feet in approach to Point San Pablo.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	17,178	1990	21,156
1986	18,833	1991	19,919
1987	21,431	1992	21,042
1988	18,913	1993	24,570
1989	25,103	1994	24,094

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports	Imports
Total, all commodities	6,088	2,813	2,850	425
Total coal	265	223	42	-----
1200 coal coke	265	223	42	-----
Total petroleum and petroleum products	4,241	1,855	2,385	-----
Subtotal crude petroleum	1,190	1,190	-----	-----
2100 crude petroleum	1,190	1,190	-----	-----

RICHMOND HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports	Imports
Subtotal petroleum products	3,050	665	2,385	-----
2211 gasoline	94	-----	94	-----
2221 kerosene	73	-----	73	-----
2330 distillate fuel oil	108	-----	108	-----
2340 residual fuel oil	2,011	453	1,558	-----
2350 lube oil & greases	11	-----	11	-----
2429 naphtha & solvents	514	212	302	-----
2430 asphalt, tar & pitch	18	-----	18	-----
2540 petroleum coke	221	-----	221	-----
Total chemicals and related products	532	60	65	406
Subtotal fertilizers	20	20	-----	-----
3110 nitrogenous fert.	4	4	-----	-----
3190 fert. & mixes nec	15	15	-----	-----
Subtotal other chemicals and related products	512	40	65	406
3211 acyclic hydrocarbons	61	-----	61	-----
3212 benzene & toluene	12	12	-----	-----
3220 alcohols	167	1	-----	166
3250 organo- inorgan. comp	0	0	-----	-----
3260 organic comp. nec	264	24	-----	240
3274 sodium hydroxide	1	-----	-----	1
3282 pigments & paints	0	-----	0	-----
3284 medicines	0	-----	0	-----
3285 perfumes & cleansers	0	-----	0	-----
3286 plastics	0	0	0	-----
3291 pesticides	0	-----	0	-----
3292 starches, gluten, glue	1	1	0	-----
3297 chemical additives	4	-----	4	-----
3299 chem. products nec	3	3	0	-----
Total crude materials, inedible except fuels	531	260	254	16
Subtotal forest products, wood and chips	5	5	0	-----
4170 wood in the rough	0	0	-----	-----
4189 lumber	5	5	0	-----
4190 forest products nec	0	-----	0	-----
Subtotal soil, sand, gravel, rock and stone	194	178	-----	16
4323 gypsum	178	178	-----	-----
4331 sand & gravel	16	-----	-----	16
Subtotal iron ore and scrap	254	-----	254	-----
4420 iron & steel scrap	254	-----	254	-----
Subtotal non-ferrous ores and scrap	77	77	0	-----
4650 aluminum ore	77	77	-----	-----
4680 non-ferrous scrap	0	-----	0	-----
Subtotal other non-metal. min.	0	0	-----	-----
4900 non-metal. min. nec	0	0	-----	-----
Total primary manufactured goods	144	143	1	-----
Subtotal paper products	4	4	0	-----
5110 newsprint	4	4	-----	-----
5120 paper & paperboard	0	0	0	-----

RICHMOND HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports	Imports
5190 paper products nec	0	-----	0	-----
Subtotal lime, cement and glass	1	0	0	-----
5240 glass & glass prod.	0	0	0	-----
5290 misc. mineral prod.	0	0	0	-----
Subtotal primary iron and steel products	139	139	0	-----
5330 i&s plates & sheets	139	138	0	-----
5360 i&s bars & shapes	0	0	-----	-----
5370 i&s pipe & tube	0	0	-----	-----
Subtotal primary non-ferrous metal products	0	0	0	-----
5421 copper	0	0	-----	-----
5422 aluminum	0	-----	0	-----
5480 fab. metal products	0	0	0	-----
Subtotal primary wood products	0	-----	0	-----
5540 primary wood prod.	0	-----	0	-----
Total food and farm products	265	162	101	2
Subtotal fish	0	-----	0	-----
6136 shellfish	0	-----	0	-----
Subtotal grain	4	-----	4	-----
6241 wheat	0	-----	0	-----
6344 corn	1	-----	1	-----
6442 rice	1	-----	1	-----
6443 barley & rye	3	-----	3	-----
Subtotal oilseeds	7	-----	7	-----
6590 oilseeds nec	7	-----	7	-----
Subtotal vegetable products	223	147	74	2
6653 vegetable oils	221	147	72	2
6654 vegetables & prod.	2	0	2	-----
Subtotal processed grain and animal feed	3	0	3	-----
6747 grain mill products	0	0	0	-----
6781 hay & fodder	0	-----	0	-----
6782 animal feed, prep.	2	-----	2	-----
Subtotal other agricultural products	28	15	13	-----
6811 meat, fresh, frozen	3	0	3	-----
6817 meat, prepared	0	-----	0	-----
6822 dairy products	0	-----	0	-----
6835 fish, prepared	0	-----	0	-----
6838 tallow, animal oils	9	-----	9	-----
6857 fruit & nuts nec	0	0	0	-----
6858 fruit juices	0	0	0	-----
6865 molasses	9	9	-----	-----
6871 coffee	0	0	-----	-----
6872 cocoa beans	5	5	-----	-----
6885 alcoholic beverages	0	0	0	-----
6888 water & ice	0	0	-----	-----
6889 food products nec	1	0	0	-----
6891 tobacco & products	0	-----	0	-----
6899 farm products nec	0	0	-----	-----

RICHMOND HARBOR, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports	
Total all manufactured equipment, machinery and products	111	108	2	-----
7110 machinery (not elec)	1	0	1	-----
7120 electrical machinery	0	-----	0	-----
7210 vehicles & parts	109	108	1	-----
7230 ships & boats	0	0	0	-----
7400 manufac. wood prod.	0	0	0	-----
7500 textile products	0	0	0	-----
7600 rubber & plastic pr.	0	-----	0	-----
7900 manufac. prod. nec	0	0	0	-----
Total unknown or not elsewhere classified	0	0	0	-----
9900 unknown or nec	0	0	0	-----

Commodity	Total	Domestic				
		Coastwise		Internal		Intraport
		Receipts	Shipments	Receipts	Shipments	
Total, all commodities	18,006	12,431	2,424	1,914	824	413
Total petroleum and petroleum products	17,757	12,264	2,400	1,898	782	413
Subtotal crude petroleum	11,423	9,885	17	1,521	-----	-----
2100 crude petroleum	11,423	9,885	17	1,521	-----	-----
Subtotal petroleum products	6,334	2,380	2,383	377	782	413
2211 gasoline	2,866	1,151	1,559	63	76	17
2330 distillate fuel oil	953	373	401	134	10	34
2340 residual fuel oil	2,122	835	138	160	649	340
2350 lube oil & greases	316	11	270	20	-----	15
2429 naphtha & solvents	77	9	15	-----	47	7
Total chemicals and related products	248	167	24	16	41	-----
Subtotal other chemicals and related products	248	167	24	16	41	-----
3211 acyclic hydrocarbons	18	-----	18	-----	-----	-----
3212 benzene & toluene	11	7	4	-----	-----	-----
3220 alcohols	2	-----	2	-----	-----	-----
3274 sodium hydroxide	93	93	-----	-----	-----	-----
3286 plastics	26	26	-----	-----	-----	-----
3297 chemical additives	99	41	-----	16	41	-----
Total crude materials, inedible except fuels	1	-----	-----	0	1	0
Subtotal forest products, wood and chips	1	-----	-----	0	1	0
4170 wood in the rough	1	-----	-----	0	1	0

SAN PABLO BAY AND MARE ISLAND STRAIT, CA

Section Included: All of San Pablo Bay and Mare Island Strait. Controlling Depth: Pinole Shoal channel 36.3 feet from S. P. buoy at beginning of channel to buoy 9; 34.3 feet to buoy 11; 35.1 feet to end of channel; Mare Island Strait (the maintained westerly 55% of project width) 36.3 feet to the Navy Ammunition Pier; 35.8 feet to Finger Pier No. 21; 36.0 feet to "A" Street (end of maintained section); 20.5 feet to the end of 26-foot project at causeway. Project Depth: 35 feet in Pinole Shoal Channel and 30 feet in Mare Island Strait, except at upstream end of turning basin, 26 feet.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	28,287	1990	33,982
1986	29,745	1991	32,326
1987	34,745	1992	36,085
1988	33,323	1993	34,177
1989	36,352	1994	32,367

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign				Canadian		
		Imports	Exports	Through Upbound	Downbnd	Imports	Through Upbound	Downbnd
Total, all commodities	9,500	81	132	3,511	5,329	8	390	48
Total coal	42	-----	-----	42	-----	-----	-----	-----
1200 coal coke	42	-----	-----	42	-----	-----	-----	-----
Total petroleum and petroleum products	5,267	62	132	1,597	3,436	-----	-----	41
Subtotal crude petroleum	1,507	50	-----	1,413	44	-----	-----	-----
2100 crude petroleum	1,507	50	-----	1,413	44	-----	-----	-----
Subtotal petroleum products	3,760	12	132	184	3,392	-----	-----	41
2211 gasoline	195	12	-----	25	159	-----	-----	-----
2221 kerosene	33	-----	-----	-----	33	-----	-----	-----
2330 distillate fuel oil	499	-----	16	72	392	-----	-----	19
2340 residual fuel oil	345	-----	52	-----	271	-----	-----	22
2350 lube oil & greases	24	-----	1	-----	23	-----	-----	-----
2410 petro. jelly & waxes	0	-----	-----	-----	0	-----	-----	-----
2429 naphtha & solvents	1,705	-----	62	88	1,556	-----	-----	-----
2430 asphalt, tar & pitch	267	-----	-----	-----	267	-----	-----	-----
2540 petroleum coke	690	-----	-----	-----	690	-----	-----	-----
Total chemicals and related products	704	20	-----	374	86	8	216	-----
Subtotal fertilizers	151	-----	-----	128	-----	-----	23	-----
3110 nitrogenous fert.	71	-----	-----	48	-----	-----	23	-----
3190 fert. & mixes nec	80	-----	-----	80	-----	-----	-----	-----
Subtotal other chemicals and related products	553	20	-----	246	86	8	193	-----
3219 other hydrocarbons	0	-----	-----	0	0	-----	-----	-----
3220 alcohols	0	-----	-----	0	0	-----	-----	-----
3230 carboxylic acids	0	-----	-----	-----	0	-----	-----	-----
3240 nitrogen func. comp.	0	-----	-----	-----	0	-----	-----	-----

SAN PABLO BAY AND MARE ISLAND STRAIT, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign				Canadian		
		Imports	Exports	Through		Imports	Through	
				Upbound	Downbnd		Upbound	Downbnd
3250 organo- inorgan. comp	1	-----	-----	1	-----	-----	-----	-----
3260 organic comp. nec	189	20	-----	116	0	8	45	-----
3271 sulphur (liquid)	82	-----	-----	-----	82	-----	-----	-----
3273 ammonia	264	-----	-----	125	-----	-----	139	-----
3274 sodium hydroxide	11	-----	-----	2	-----	-----	9	-----
3275 inorg. elem., oxides, & halogen salts	0	-----	-----	-----	0	-----	-----	-----
3276 metallic salts	3	-----	-----	1	2	-----	-----	-----
3282 pigments & paints	0	-----	-----	0	0	-----	-----	-----
3283 coloring mat. nec	0	-----	-----	-----	0	-----	-----	-----
3284 medicines	0	-----	-----	-----	0	-----	-----	-----
3285 perfumes & cleansers	1	-----	-----	-----	1	-----	-----	-----
3286 plastics	1	-----	-----	0	1	-----	-----	-----
3291 pesticides	0	-----	-----	-----	0	-----	-----	-----
3292 starches, gluten, glue	0	-----	-----	-----	0	-----	-----	-----
3297 chemical additives	0	-----	-----	-----	0	-----	-----	-----
3298 wood & resin chem.	0	-----	-----	-----	0	-----	-----	-----
3299 chem. products nec	1	-----	-----	1	0	-----	-----	-----
Total crude materials, inedible except fuels	874	-----	-----	374	493	-----	-----	7
Subtotal forest products, wood and chips	295	-----	-----	23	272	-----	-----	-----
4150 fuel wood	9	-----	-----	-----	9	-----	-----	-----
4161 wood chips	219	-----	-----	-----	219	-----	-----	-----
4170 wood in the rough	64	-----	-----	23	41	-----	-----	-----
4189 lumber	3	-----	-----	-----	3	-----	-----	-----
4190 forest products nec	0	-----	-----	-----	0	-----	-----	-----
Subtotal pulp and waste paper	12	-----	-----	-----	12	-----	-----	-----
4225 pulp & waste paper	12	-----	-----	-----	12	-----	-----	-----
Subtotal soil, sand, gravel, rock and stone	306	-----	-----	299	0	-----	-----	7
4323 gypsum	306	-----	-----	299	0	-----	-----	7
Subtotal iron ore and scrap	35	-----	-----	-----	35	-----	-----	-----
4420 iron & steel scrap	35	-----	-----	-----	35	-----	-----	-----
Subtotal non-ferrous ores and scrap	39	-----	-----	39	0	-----	-----	-----
4680 non-ferrous scrap	13	-----	-----	12	0	-----	-----	-----
4690 non-ferrous ores nec	27	-----	-----	27	-----	-----	-----	-----
Subtotal sulphur, clay and salt	186	-----	-----	13	174	-----	-----	-----
4741 sulphur, (dry)	144	-----	-----	-----	144	-----	-----	-----
4782 clay & refrac. mat.	42	-----	-----	13	29	-----	-----	-----
Subtotal other non-metal. min.	0	-----	-----	0	0	-----	-----	-----
4900 non-metal. min. nec	0	-----	-----	0	0	-----	-----	-----

SAN PABLO BAY AND MARE ISLAND STRAIT, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign				Canadian		
		Imports	Exports	Through		Imports	Through	
				Upbound	Downbnd		Upbound	Downbnd
Total primary manufactured goods	994	-----	-----	825	169	-----	0	-----
Subtotal paper products	22	-----	-----	13	8	-----	0	-----
5110 newsprint	13	-----	-----	13	-----	-----	-----	-----
5120 paper & paperboard	8	-----	-----	-----	8	-----	0	-----
5190 paper products nec	0	-----	-----	-----	0	-----	-----	-----
Subtotal lime, cement and glass	0	-----	-----	0	0	-----	-----	-----
5240 glass & glass prod.	0	-----	-----	-----	0	-----	-----	-----
5290 misc. mineral prod.	0	-----	-----	0	0	-----	-----	-----
Subtotal primary iron and steel products	971	-----	-----	811	160	-----	-----	-----
5330 i&s plates & sheets	806	-----	-----	805	0	-----	-----	-----
5360 i&s bars & shapes	0	-----	-----	-----	0	-----	-----	-----
5370 i&s pipe & tube	165	-----	-----	6	160	-----	-----	-----
Subtotal primary non-ferrous metal products	1	-----	-----	-----	1	-----	-----	-----
5421 copper	0	-----	-----	-----	0	-----	-----	-----
5422 aluminum	0	-----	-----	-----	0	-----	-----	-----
5480 fab. metal products	0	-----	-----	-----	0	-----	-----	-----
Subtotal primary wood products	1	-----	-----	-----	1	-----	-----	-----
5540 primary wood prod.	1	-----	-----	-----	1	-----	-----	-----
Total food and farm products	1,380	-----	-----	168	1,038	-----	174	0
Subtotal fish	1	-----	-----	-----	1	-----	-----	0
6134 fish (not shellfish)	0	-----	-----	-----	0	-----	-----	0
6136 shellfish	1	-----	-----	-----	1	-----	-----	-----
Subtotal grain	1,150	-----	-----	-----	981	-----	170	-----
6241 wheat	348	-----	-----	-----	348	-----	-----	-----
6442 rice	633	-----	-----	-----	633	-----	-----	-----
6443 barley & rye	170	-----	-----	-----	-----	-----	170	-----
Subtotal oilseeds	40	-----	-----	-----	40	-----	-----	-----
6521 peanuts	0	-----	-----	-----	0	-----	-----	-----
6590 oilseeds nec	40	-----	-----	-----	40	-----	-----	-----
Subtotal vegetable products	8	-----	-----	-----	8	-----	-----	-----
6653 vegetable oils	7	-----	-----	-----	7	-----	-----	-----
6654 vegetables & prod.	0	-----	-----	-----	0	-----	-----	-----
Subtotal processed grain and animal feed	10	-----	-----	6	0	-----	4	-----
6747 grain mill products	0	-----	-----	-----	0	-----	-----	-----
6782 animal feed, prep.	10	-----	-----	6	0	-----	4	-----
Subtotal other agricultural products	171	-----	-----	162	9	-----	-----	-----
6811 meat, fresh, frozen	1	-----	-----	-----	1	-----	-----	-----
6822 dairy products	0	-----	-----	-----	0	-----	-----	-----
6838 tallow, animal oils	1	-----	-----	-----	1	-----	-----	-----
6839 animals & prod. nec	0	-----	-----	0	0	-----	-----	-----
6857 fruit & nuts nec	3	-----	-----	-----	3	-----	-----	-----

SAN PABLO BAY AND MARE ISLAND STRAIT, CA
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Foreign				Canadian		
		Imports	Exports	Through		Imports	Through	
				Upbound	Downbnd		Upbound	Downbnd
6858 fruit juices	1	-----	-----	-----	1	-----	-----	-----
6861 sugar	64	-----	-----	64	-----	-----	-----	-----
6865 molasses	98	-----	-----	98	-----	-----	-----	-----
6885 alcoholic beverages	0	-----	-----	-----	0	-----	-----	-----
6889 food products nec	0	-----	-----	-----	0	-----	-----	-----
6891 tobacco & products	1	-----	-----	0	1	-----	-----	-----
6893 cotton	0	-----	-----	-----	0	-----	-----	-----
6899 farm products nec	0	-----	-----	-----	0	-----	-----	-----
Total all manufactured equipment, machinery and products	239	-----	-----	131	107	-----	-----	-----
7110 machinery (not elec)	5	-----	-----	4	1	-----	-----	-----
7120 electrical machinery	1	-----	-----	0	1	-----	-----	-----
7210 vehicles & parts	222	-----	-----	127	95	-----	-----	-----
7220 aircraft & parts	0	-----	-----	-----	0	-----	-----	-----
7230 ships & boats	0	-----	-----	-----	0	-----	-----	-----
7300 ordnance & access.	3	-----	-----	0	3	-----	-----	-----
7400 manufac. wood prod.	0	-----	-----	-----	0	-----	-----	-----
7500 textile products	6	-----	-----	0	6	-----	-----	-----
7600 rubber & plastic pr.	0	-----	-----	0	0	-----	-----	-----
7900 manufac. prod. nec	1	-----	-----	0	0	-----	-----	-----
Total unknown or not elsewhere classified	1	-----	-----	0	0	-----	-----	-----
9900 unknown or nec	1	-----	-----	0	0	-----	-----	-----
Ton-miles (x1000) Foreign & Canadian	94,997	815	1,316	35,111	53,294	83	3,899	479

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	15,234	2,443	2,010	7,439	3,341
Total petroleum and petroleum products	13,862	2,432	2,010	6,143	3,277
Subtotal crude petroleum	7,120	2,300	13	4,697	109
2100 crude petroleum	7,120	2,300	13	4,697	109
Subtotal petroleum products	6,742	131	1,997	1,446	3,168
2211 gasoline	3,255	22	552	210	2,470
2330 distillate fuel oil	1,849	87	1,102	385	276
2340 residual fuel oil	1,308	-----	172	831	304
2350 lube oil & greases	231	-----	170	11	50
2429 naphtha & solvents	73	22	-----	9	42
2430 asphalt, tar & pitch	23	-----	-----	-----	23

SAN PABLO BAY AND MARE ISLAND STRAIT, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
2990 petro. products nec	2	-----	-----	-----	2
Total chemicals and related products	753	12	-----	681	60
Subtotal fertilizers	262	-----	-----	262	-----
3110 nitrogenous fert.	252	-----	-----	252	-----
3190 fert. & mixes nec	9	-----	-----	9	-----
Subtotal other chemicals and related products	491	12	-----	420	60
3212 benzene & toluene	2	-----	-----	-----	2
3220 alcohols	16	-----	-----	16	-----
3273 ammonia	147	-----	-----	147	-----
3274 sodium hydroxide	99	-----	-----	99	-----
3293 explosives	1	-----	-----	0	1
3297 chemical additives	226	12	-----	157	58
Total crude materials, inedible except fuels	4	-----	-----	-----	4
Subtotal forest products, wood and chips	4	-----	-----	-----	4
4161 wood chips	4	-----	-----	-----	4
Total food and farm products	613	-----	-----	613	-----
Subtotal other agricultural products	613	-----	-----	613	-----
6861 sugar	613	-----	-----	613	-----
Total all manufactured equipment, machinery and products	2	-----	-----	1	0
7300 ordnance & access.	2	-----	-----	1	0
Ton-miles (x1000) Coastwise	149,063	22,104	19,156	74,388	33,415

Commodity	Total	Internal						
		Inbound		Outbound		Through		Intra
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Downbnd
Total, all commodities	7,633	1,577	17	468	178	4,171	1,221	1
Total petroleum and petroleum products	7,029	1,536	17	468	178	3,876	952	1
Subtotal crude petroleum	5,282	1,485	-----	17	-----	3,753	27	-----
2100 crude petroleum	5,282	1,485	-----	17	-----	3,753	27	-----
Subtotal petroleum products	1,746	51	17	451	178	123	924	1
2211 gasoline	167	4	14	14	8	72	55	-----
2330 distillate fuel oil	500	10	-----	349	19	0	121	-----
2340 residual fuel oil	1,013	-----	3	88	131	42	748	1
2350 lube oil & greases	20	-----	-----	-----	20	-----	-----	-----
2429 naphtha & solvents	47	37	-----	-----	-----	9	-----	-----

SAN PABLO BAY AND MARE ISLAND STRAIT, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Intra Downbnd
Total chemicals and related products	57	41	-----	-----	-----	-----	16 -----
Subtotal other chemicals and related products	57	41	-----	-----	-----	-----	16 -----
3297 chemical additives	57	41	-----	-----	-----	-----	16 -----
Total crude materials, inedible except fuels	436	0	-----	-----	0	192	244 -----
Subtotal forest products, wood and chips	1	0	-----	-----	0	1	-----
4170 wood in the rough	1	0	-----	-----	0	1	-----
Subtotal soil, sand, gravel, rock and stone	412	-----	-----	-----	-----	168	244 -----
4331 sand & gravel	412	-----	-----	-----	-----	168	244 -----
Subtotal marine shells	23	-----	-----	-----	-----	23	-----
4515 marine shells	23	-----	-----	-----	-----	23	-----
Total primary manufactured goods	23	-----	-----	-----	-----	14	9 -----
Subtotal lime, cement and glass	23	-----	-----	-----	-----	14	9 -----
5290 misc. mineral prod.	23	-----	-----	-----	-----	14	9 -----
Total food and farm products	88	-----	-----	-----	-----	88	-----
Subtotal other agricultural products	88	-----	-----	-----	-----	88	-----
6865 molasses	88	-----	-----	-----	-----	88	-----
Ton-miles (x1000) Internal	66,311	11,318	9	1,209	1,362	41,538	10,867
Tons All Traffic (x1000)		32,367					
Ton-miles All Traffic (x1000)		310,371					

CARQUINEZ STRAIT, CA

Section Included: All of Carquinez Strait from Davis Point on the westerly end to the Benicia-Martinez Bridge at Suisun Point on the easterly end, a distance of about 8 miles. Controlling Depth: 33 feet. Project Depth: 45 feet.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	21,522	1990	26,565
1986	23,875	1991	25,700
1987	27,345	1992	27,656
1988	27,155	1993	25,883
1989	28,117	1994	26,118

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total, all commodities	9,278	1,786	2,760	1,725	2,569	45	41	345	7
Total coal	42	-----	-----	42	-----	-----	-----	-----	-----
1200 coal coke	42	-----	-----	42	-----	-----	-----	-----	-----
Total petroleum and petroleum products	5,074	1,537	2,616	60	820	-----	41	-----	-----
Subtotal crude petroleum	1,457	1,413	27	-----	17	-----	-----	-----	-----
2100 crude petroleum	1,457	1,413	27	-----	17	-----	-----	-----	-----
Subtotal petroleum products	3,617	125	2,589	60	803	-----	41	-----	-----
2211 gasoline	184	25	102	-----	57	-----	-----	-----	-----
2221 kerosene	33	-----	33	-----	-----	-----	-----	-----	-----
2330 distillate fuel oil	483	12	376	60	16	-----	19	-----	-----
2340 residual fuel oil	293	-----	244	-----	28	-----	22	-----	-----
2350 lube oil & greases	23	-----	23	-----	0	-----	-----	-----	-----
2410 petro. jelly & waxes	0	-----	0	-----	-----	-----	-----	-----	-----
2429 naphtha & solvents	1,644	88	1,327	-----	230	-----	-----	-----	-----
2430 asphalt, tar & pitch	267	-----	256	-----	12	-----	-----	-----	-----
2540 petroleum coke	690	-----	230	-----	460	-----	-----	-----	-----

CARQUINEZ STRAIT, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total chemicals and related products	676	117	2	257	83	45	-----	171	-----
Subtotal fertilizers	151	-----	-----	128	-----	-----	-----	23	-----
3110 nitrogenous fert.	71	-----	-----	48	-----	-----	-----	23	-----
3190 fert. & mixes nec	80	-----	-----	80	-----	-----	-----	-----	-----
Subtotal other chemicals and related products	525	117	2	129	83	45	-----	148	-----
3219 other hydrocarbons	0	-----	0	0	-----	-----	-----	-----	-----
3220 alcohols	0	-----	0	0	-----	-----	-----	-----	-----
3230 carboxylic acids	0	-----	0	-----	-----	-----	-----	-----	-----
3240 nitrogen func. comp.	0	-----	0	-----	-----	-----	-----	-----	-----
3250 organo-inorgan. comp	1	-----	-----	1	-----	-----	-----	-----	-----
3260 organic comp. nec	161	116	0	-----	-----	45	-----	-----	-----
3271 sulphur (liquid)	82	-----	-----	-----	82	-----	-----	-----	-----
3273 ammonia	264	-----	-----	125	-----	-----	-----	139	-----
3274 sodium hydroxide	11	-----	-----	2	-----	-----	-----	9	-----
3275 inorg. elem., oxides, & halogen salts	0	-----	0	-----	-----	-----	-----	-----	-----
3276 metallic salts	3	-----	-----	1	2	-----	-----	-----	-----
3282 pigments & paints	0	-----	0	0	-----	-----	-----	-----	-----
3283 coloring mat. nec	0	-----	0	-----	-----	-----	-----	-----	-----
3284 medicines	0	-----	0	-----	-----	-----	-----	-----	-----
3285 perfumes & cleansers	1	-----	1	-----	0	-----	-----	-----	-----
3286 plastics	1	-----	1	0	0	-----	-----	-----	-----
3291 pesticides	0	-----	0	-----	-----	-----	-----	-----	-----
3292 starches, gluten, glue	0	-----	0	-----	-----	-----	-----	-----	-----
3297 chemical additives	0	-----	0	-----	-----	-----	-----	-----	-----
3298 wood & resin chem.	0	-----	0	-----	-----	-----	-----	-----	-----
3299 chem. products nec	1	1	0	-----	-----	-----	-----	-----	-----

CARQUINEZ STRAIT, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total crude materials, inedible except fuels	874	-----	16	374	477	-----	-----	-----	7
Subtotal forest products, wood and chips	295	-----	4	23	268	-----	-----	-----	-----
4150 fuel wood	9	-----	0	-----	9	-----	-----	-----	-----
4161 wood chips	219	-----	-----	-----	219	-----	-----	-----	-----
4170 wood in the rough	64	-----	1	23	40	-----	-----	-----	-----
4189 lumber	3	-----	3	-----	0	-----	-----	-----	-----
4190 forest products nec	0	-----	0	-----	-----	-----	-----	-----	-----
Subtotal pulp and waste paper	12	-----	12	-----	-----	-----	-----	-----	-----
4225 pulp & waste paper	12	-----	12	-----	-----	-----	-----	-----	-----
Subtotal soil, sand, gravel, rock and stone	306	-----	0	299	-----	-----	-----	-----	7
4323 gypsum	306	-----	0	299	-----	-----	-----	-----	7
Subtotal iron ore and scrap	35	-----	-----	-----	35	-----	-----	-----	-----
4420 iron & steel scrap	35	-----	-----	-----	35	-----	-----	-----	-----
Subtotal non-ferrous ores and scrap	39	-----	0	39	-----	-----	-----	-----	-----
4680 non-ferrous scrap	13	-----	0	12	-----	-----	-----	-----	-----
4690 non-ferrous ores nec	27	-----	-----	27	-----	-----	-----	-----	-----
Subtotal sulphur, clay and salt	186	-----	0	13	173	-----	-----	-----	-----
4741 sulphur, (dry)	144	-----	-----	-----	144	-----	-----	-----	-----
4782 clay & refrac. mat.	42	-----	0	13	29	-----	-----	-----	-----
Subtotal other non-metal. min.	0	-----	0	0	-----	-----	-----	-----	-----
4900 non-metal. min. nec	0	-----	0	0	-----	-----	-----	-----	-----
Total primary manufactured goods	994	-----	9	825	160	-----	-----	0	-----
Subtotal paper products	22	-----	8	13	-----	-----	-----	0	-----
5110 newsprint	13	-----	-----	13	-----	-----	-----	-----	-----
5120 paper & paperboard	8	-----	8	-----	-----	-----	-----	0	-----
5190 paper products nec	0	-----	0	-----	-----	-----	-----	-----	-----

CARQUINEZ STRAIT, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Subtotal lime, cement and glass	0	-----	0	0	-----	-----	-----	-----	-----
5240 glass & glass prod.	0	-----	0	-----	-----	-----	-----	-----	-----
5290 misc. mineral prod.	0	-----	0	0	-----	-----	-----	-----	-----
Subtotal primary iron and steel products	971	-----	0	811	160	-----	-----	-----	-----
5330 i&s plates & sheets	806	-----	0	805	-----	-----	-----	-----	-----
5360 i&s bars & shapes	0	-----	0	-----	-----	-----	-----	-----	-----
5370 i&s pipe & tube	165	-----	-----	6	160	-----	-----	-----	-----
Subtotal primary non-ferrous metal products	1	-----	1	-----	-----	-----	-----	-----	-----
5421 copper	0	-----	0	-----	-----	-----	-----	-----	-----
5422 aluminum	0	-----	0	-----	-----	-----	-----	-----	-----
5480 fab. metal products	0	-----	0	-----	-----	-----	-----	-----	-----
Subtotal primary wood products	1	-----	1	-----	-----	-----	-----	-----	-----
5540 primary wood prod.	1	-----	1	-----	-----	-----	-----	-----	-----
Total food and farm products	1,380	-----	8	168	1,029	-----	-----	174	0
Subtotal fish	1	-----	1	-----	-----	-----	-----	-----	0
6134 fish (not shellfish)	0	-----	0	-----	-----	-----	-----	-----	0
6136 shellfish	1	-----	1	-----	-----	-----	-----	-----	-----
Subtotal grain	1,150	-----	-----	-----	981	-----	-----	170	-----
6241 wheat	348	-----	-----	-----	348	-----	-----	-----	-----
6442 rice	633	-----	-----	-----	633	-----	-----	-----	-----
6443 barley & rye	170	-----	-----	-----	-----	-----	-----	170	-----
Subtotal oilseeds	40	-----	0	-----	40	-----	-----	-----	-----
6521 peanuts	0	-----	0	-----	-----	-----	-----	-----	-----
6590 oilseeds nec	40	-----	0	-----	40	-----	-----	-----	-----
Subtotal vegetable products	8	-----	0	-----	8	-----	-----	-----	-----
6653 vegetable oils	7	-----	0	-----	7	-----	-----	-----	-----
6654 vegetables & prod.	0	-----	0	-----	0	-----	-----	-----	-----
Subtotal processed grain and animal feed	10	-----	0	6	-----	-----	-----	4	-----
6747 grain mill products	0	-----	0	-----	-----	-----	-----	-----	-----

CARQUINEZ STRAIT, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
6782 animal feed, prep.	10	-----	0	6	-----	-----	-----	4	-----
Subtotal other agricultural products	171	-----	7	162	2	-----	-----	-----	-----
6811 meat, fresh, frozen	1	-----	1	-----	0	-----	-----	-----	-----
6822 dairy products	0	-----	0	-----	-----	-----	-----	-----	-----
6838 tallow, animal oils	1	-----	-----	-----	1	-----	-----	-----	-----
6839 animals & prod. nec	0	-----	0	0	-----	-----	-----	-----	-----
6857 fruit & nuts nec	3	-----	3	-----	0	-----	-----	-----	-----
6858 fruit juices	1	-----	1	-----	-----	-----	-----	-----	-----
6861 sugar	64	-----	-----	64	-----	-----	-----	-----	-----
6865 molasses	98	-----	-----	98	-----	-----	-----	-----	-----
6885 alcoholic beverages	0	-----	0	-----	-----	-----	-----	-----	-----
6889 food products nec	0	-----	0	-----	-----	-----	-----	-----	-----
6891 tobacco & products	1	-----	1	0	-----	-----	-----	-----	-----
6893 cotton	0	-----	0	-----	-----	-----	-----	-----	-----
6899 farm products nec	0	-----	0	-----	-----	-----	-----	-----	-----
Total all manufactured equipment, machinery and products	239	131	107	0	1	-----	-----	-----	-----
7110 machinery (not elec)	5	4	1	0	0	-----	-----	-----	-----
7120 electrical machinery	1	0	1	0	-----	-----	-----	-----	-----
7210 vehicles & parts	222	127	95	0	0	-----	-----	-----	-----
7220 aircraft & parts	0	-----	0	-----	-----	-----	-----	-----	-----
7230 ships & boats	0	-----	0	-----	-----	-----	-----	-----	-----
7300 ordnance & access.	3	0	3	-----	0	-----	-----	-----	-----
7400 manufac. wood prod.	0	-----	0	-----	-----	-----	-----	-----	-----
7500 textile products	6	-----	6	0	-----	-----	-----	-----	-----
7600 rubber & plastic pr.	0	0	0	0	-----	-----	-----	-----	-----
7900 manufac. prod. nec	1	0	0	0	0	-----	-----	-----	-----

CARQUINEZ STRAIT, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total unknown or not elsewhere classified	1	0	0	0	0	-----	-----	-----	-----
9900 unknown or nec	1	0	0	0	0	-----	-----	-----	-----
Ton-miles Foreign & Canadian (x1000)	64,948	12,502	19,320	12,076	17,986	316	285	2,413	51

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	10,780	6,904	3,033	535	309
Total petroleum and petroleum products	9,420	6,112	2,973	31	304
Subtotal crude petroleum	4,806	4,697	26	-----	83
2100 crude petroleum	4,806	4,697	26	-----	83
Subtotal petroleum products	4,614	1,415	2,947	31	220
2211 gasoline	2,680	210	2,358	-----	112
2330 distillate fuel oil	660	363	216	22	59
2340 residual fuel oil	1,136	831	255	-----	49
2350 lube oil & greases	61	1	50	10	-----
2429 naphtha & solvents	51	9	42	-----	-----
2430 asphalt, tar & pitch	23	-----	23	-----	-----
2990 petro. products nec	2	-----	2	-----	-----
Total chemicals and related products	741	179	60	502	1
Subtotal fertilizers	262	-----	-----	262	-----
3110 nitrogenous fert.	252	-----	-----	252	-----
3190 fert. & mixes nec	9	-----	-----	9	-----
Subtotal other chemicals and related products	480	179	60	241	1
3212 benzene & toluene	2	-----	2	-----	-----
3220 alcohols	16	12	-----	4	-----
3273 ammonia	147	-----	-----	147	-----
3274 sodium hydroxide	99	10	-----	89	-----
3293 explosives	1	-----	-----	0	1
3297 chemical additives	215	157	58	-----	-----
Total crude materials, inedible except fuels	4	-----	-----	-----	4
Subtotal forest products, wood and chips	4	-----	-----	-----	4
4161 wood chips	4	-----	-----	-----	4

CARQUINEZ STRAIT, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through Upbound	Downbnd
Total food and farm products	613	613	-----	-----	-----
Subtotal other agricultural products	613	613	-----	-----	-----
6861 sugar	613	613	-----	-----	-----
Total all manufactured equipment, machinery and products	2	-----	-----	1	0
7300 ordnance & access.	2	-----	-----	1	0
Ton-miles (x1000) Coastwise	66,264	41,414	18,946	3,743	2,162

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	6,059	3,160	139	31	735	1,382	495	45	73
Total petroleum and petroleum products	5,525	3,072	74	31	666	1,273	303	45	62
Subtotal crude petroleum	3,798	2,643	-----	-----	27	1,127	-----	-----	-----
2100 crude petroleum	3,798	2,643	-----	-----	27	1,127	-----	-----	-----
Subtotal petroleum products	1,727	429	74	31	639	146	303	45	62
2211 gasoline	180	87	-----	-----	55	-----	14	-----	24
2330 distillate fuel oil	503	227	15	-----	107	121	14	8	10
2340 residual fuel oil	1,026	105	59	31	476	24	275	37	18
2429 naphtha & solvents	19	9	-----	-----	-----	-----	-----	-----	9
Total chemicals and related products	28	-----	-----	-----	16	-----	-----	-----	12
Subtotal other chemicals and related products	28	-----	-----	-----	16	-----	-----	-----	12
3297 chemical additives	28	-----	-----	-----	16	-----	-----	-----	12

CARQUINEZ STRAIT, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total crude materials, inedible except fuels	404	88	65	-----	53	7	192	-----	-----
Subtotal forest products, wood and chips	1	0	-----	-----	-----	0	-----	-----	-----
4170 wood in the rough	1	0	-----	-----	-----	0	-----	-----	-----
Subtotal soil, sand, gravel, rock and stone	397	88	65	-----	53	-----	192	-----	-----
4331 sand & gravel	397	88	65	-----	53	-----	192	-----	-----
Subtotal marine shells	6	-----	-----	-----	-----	6	-----	-----	-----
4515 marine shells	6	-----	-----	-----	-----	6	-----	-----	-----
Total primary manufactured goods	14	-----	-----	-----	-----	14	-----	-----	-----
Subtotal lime, cement and glass	14	-----	-----	-----	-----	14	-----	-----	-----
5290 misc. mineral prod.	14	-----	-----	-----	-----	14	-----	-----	-----
Total food and farm products	88	-----	-----	-----	-----	88	-----	-----	-----
Subtotal other agricultural products	88	-----	-----	-----	-----	88	-----	-----	-----
6865 molasses	88	-----	-----	-----	-----	88	-----	-----	-----
Ton-miles Internal (x1000)	39,414	21,354	101	0	4,195	9,675	3,462	200	428
Tons All Traffic (x1000)			26,118						
Ton-miles All Traffic (x1000)			170,627						

SUISUN BAY CHANNEL, CA

Section Included: Suisun Bay Channel from Suisun Point at west end of Benicia-Martinez Bridge to East Reach of Middleground Island thence to mouth of New York Slough. Controlling Depth: 35.0 feet from Suisun Point to Avon Wharf; 35.0 feet to Preston Point; 35.0 feet to Middle Point; 35.0 feet through East Reach Middleground Island, 38.0 to mouth of New York Slough, 35.0 thru New York Slough. Project Depth: 35 feet from Benicia-Martinez Bridge to Avon Pier, 30 feet for remainder of channel.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	6,547	1990	8,156
1986	5,905	1991	7,289
1987	9,038	1992	6,340
1988	8,356	1993	7,087
1989	7,508	1994	7,556

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Through	
				Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	4,647	12	360	1,713	2,209	345	7
Total coal	42	-----	-----	42	-----	-----	-----
1200 coal coke	42	-----	-----	42	-----	-----	-----
Total petroleum and petroleum products	879	12	360	47	460	-----	-----
Subtotal crude petroleum	17	-----	17	-----	-----	-----	-----
2100 crude petroleum	17	-----	17	-----	-----	-----	-----
Subtotal petroleum products	862	12	342	47	460	-----	-----
2211 gasoline	57	-----	57	-----	-----	-----	-----
2330 distillate fuel oil	76	12	16	47	-----	-----	-----
2340 residual fuel oil	28	-----	28	-----	-----	-----	-----
2350 lube oil & greases	0	-----	-----	-----	0	-----	-----
2429 naphtha & solvents	230	-----	230	-----	-----	-----	-----
2430 asphalt, tar & pitch	12	-----	12	-----	-----	-----	-----
2540 petroleum coke	460	-----	-----	-----	460	-----	-----
Total chemicals and related products	511	-----	-----	257	83	171	-----
Subtotal fertilizers	151	-----	-----	128	-----	23	-----
3110 nitrogenous fert.	71	-----	-----	48	-----	23	-----
3190 fert. & mixes nec	80	-----	-----	80	-----	-----	-----
Subtotal other chemicals and related products	360	-----	-----	129	83	148	-----
3219 other hydrocarbons	0	-----	-----	0	-----	-----	-----
3220 alcohols	0	-----	-----	0	-----	-----	-----
3250 organo- inorgan. comp	1	-----	-----	1	-----	-----	-----
3271 sulphur (liquid)	82	-----	-----	-----	82	-----	-----
3273 ammonia	264	-----	-----	125	-----	139	-----
3274 sodium hydroxide	11	-----	-----	2	-----	9	-----

SUISUN BAY CHANNEL, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Through	
				Upbound	Downbnd	Upbound	Downbnd
3276 metallic salts	3	-----	-----	1	2	-----	-----
3282 pigments & paints	0	-----	-----	0	-----	-----	-----
3285 perfumes & cleansers	0	-----	-----	-----	0	-----	-----
3286 plastics	0	-----	-----	0	0	-----	-----
Total crude materials, inedible except fuels	858	-----	-----	374	477	-----	7
Subtotal forest products, wood and chips	291	-----	-----	23	268	-----	-----
4150 fuel wood	9	-----	-----	-----	9	-----	-----
4161 wood chips	219	-----	-----	-----	219	-----	-----
4170 wood in the rough	63	-----	-----	23	40	-----	-----
4189 lumber	0	-----	-----	-----	0	-----	-----
Subtotal soil, sand, gravel, rock and stone	306	-----	-----	299	-----	-----	7
4323 gypsum	306	-----	-----	299	-----	-----	7
Subtotal iron ore and scrap	35	-----	-----	-----	35	-----	-----
4420 iron & steel scrap	35	-----	-----	-----	35	-----	-----
Subtotal non-ferrous ores and scrap	39	-----	-----	39	-----	-----	-----
4680 non-ferrous scrap	12	-----	-----	12	-----	-----	-----
4690 non-ferrous ores nec	27	-----	-----	27	-----	-----	-----
Subtotal sulphur, clay and salt	186	-----	-----	13	173	-----	-----
4741 sulphur, (dry)	144	-----	-----	-----	144	-----	-----
4782 clay & refrac. mat.	41	-----	-----	13	29	-----	-----
Subtotal other non-metal. min.	0	-----	-----	0	-----	-----	-----
4900 non-metal. min. nec	0	-----	-----	0	-----	-----	-----
Total primary manufactured goods	985	-----	-----	825	160	0	-----
Subtotal paper products	14	-----	-----	13	-----	0	-----
5110 newsprint	13	-----	-----	13	-----	-----	-----
5120 paper & paperboard	0	-----	-----	-----	-----	0	-----
Subtotal lime, cement and glass	0	-----	-----	0	-----	-----	-----
5290 misc. mineral prod.	0	-----	-----	0	-----	-----	-----
Subtotal primary iron and steel products	971	-----	-----	811	160	-----	-----
5330 i&s plates & sheets	805	-----	-----	805	-----	-----	-----
5370 i&s pipe & tube	165	-----	-----	6	160	-----	-----
Total food and farm products	1,371	-----	-----	168	1,029	174	0
Subtotal fish	0	-----	-----	-----	-----	-----	0
6134 fish (not shellfish)	0	-----	-----	-----	-----	-----	0
Subtotal grain	1,150	-----	-----	-----	981	170	-----
6241 wheat	348	-----	-----	-----	348	-----	-----
6442 rice	633	-----	-----	-----	633	-----	-----
6443 barley & rye	170	-----	-----	-----	-----	170	-----
Subtotal oilseeds	40	-----	-----	-----	40	-----	-----
6590 oilseeds nec	40	-----	-----	-----	40	-----	-----

SUISUN BAY CHANNEL, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Through	
				Upbound	Downbnd	Upbound	Downbnd
Subtotal vegetable products	8	-----	-----	-----		8	-----
6653 vegetable oils	7	-----	-----	-----		7	-----
6654 vegetables & prod.	0	-----	-----	-----		0	-----
Subtotal processed grain and animal feed	10	-----	-----	6	-----	4	-----
6782 animal feed, prep.	10	-----	-----	6	-----	4	-----
Subtotal other agricultural products	164	-----	-----	162	2	-----	-----
6811 meat, fresh, frozen	0	-----	-----	-----	0	-----	-----
6838 tallow, animal oils	1	-----	-----	-----	1	-----	-----
6839 animals & prod. nec	0	-----	-----	0	-----	-----	-----
6857 fruit & nuts nec	0	-----	-----	-----	0	-----	-----
6861 sugar	64	-----	-----	64	-----	-----	-----
6865 molasses	98	-----	-----	98	-----	-----	-----
6891 tobacco & products	0	-----	-----	0	-----	-----	-----
Total all manufactured equipment, machinery and products	1	0	0	0	0	-----	-----
7110 machinery (not elec)	0	-----	-----	0	0	-----	-----
7120 electrical machinery	0	-----	-----	0	-----	-----	-----
7210 vehicles & parts	0	-----	-----	0	0	-----	-----
7300 ordnance & access.	0	-----	0	-----	0	-----	-----
7500 textile products	0	0	-----	0	-----	-----	-----
7600 rubber & plastic pr.	0	-----	-----	0	-----	-----	-----
7900 manufac. prod. nec	0	-----	-----	0	0	-----	-----
Total unknown or not elsewhere classified	0	-----	0	0	-----	-----	-----
9900 unknown or nec	0	-----	0	0	-----	-----	-----
Ton-miles (x1000) Foreign & Canadian	64,860	24	720	25,693	33,142	5,171	109

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	843	37	305	498	4
Total petroleum and petroleum products	335	31	304	-----	-----
Subtotal crude petroleum	83	-----	83	-----	-----
2100 crude petroleum	83	-----	83	-----	-----
Subtotal petroleum products	252	31	220	-----	-----
2211 gasoline	112	-----	112	-----	-----
2330 distillate fuel oil	81	22	59	-----	-----
2340 residual fuel oil	49	-----	49	-----	-----

SUISUN BAY CHANNEL, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
2350 lube oil & greases	10	10	-----	-----	-----
Total chemicals and related products	503	4	1	498	-----
Subtotal fertilizers	262	-----	-----	262	-----
3110 nitrogenous fert.	252	-----	-----	252	-----
3190 fert. & mixes nec	9	-----	-----	9	-----
Subtotal other chemicals and related products	241	4	1	236	-----
3220 alcohols	4	4	-----	-----	-----
3273 ammonia	147	-----	-----	147	-----
3274 sodium hydroxide	89	-----	-----	89	-----
3293 explosives	1	0	1	-----	-----
Total crude materials, inedible except fuels	4	-----	-----	-----	4
Subtotal forest products, wood and chips	4	-----	-----	-----	4
4161 wood chips	4	-----	-----	-----	4
Total all manufactured equipment, machinery and products	2	1	0	-----	-----
7300 ordnance & access.	2	1	0	-----	-----
Ton-miles (x1000) Coastwise	8,140	79	529	7,467	64

Commodity	Total	Internal				
		Inbound	Outbound		Through	
		Upbound	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	2,066	1,302	20	628	111	5
Total petroleum and petroleum products	1,681	1,302	-----	377	2	-----
Subtotal crude petroleum	1,127	1,127	-----	-----	-----	-----
2100 crude petroleum	1,127	1,127	-----	-----	-----	-----
Subtotal petroleum products	554	175	-----	377	2	-----
2211 gasoline	14	-----	-----	14	-----	-----
2330 distillate fuel oil	150	121	-----	29	-----	-----
2340 residual fuel oil	389	54	-----	334	2	-----
Total crude materials, inedible except fuels	283	-----	20	251	7	5
Subtotal forest products, wood and chips	0	-----	-----	-----	0	-----
4170 wood in the rough	0	-----	-----	-----	0	-----
Subtotal soil, sand, gravel, rock and stone	276	-----	20	251	-----	5
4331 sand & gravel	276	-----	20	251	-----	5
Subtotal marine shells	6	-----	-----	-----	6	-----
4515 marine shells	6	-----	-----	-----	6	-----

SUISUN BAY CHANNEL, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Internal				
		Inbound	Outbound		Through	
		Upbound	Upbound	Downbnd	Upbound	Downbnd
Total primary manufactured goods	14	-----	-----	-----	14	-----
Subtotal lime, cement and glass	14	-----	-----	-----	14	-----
5290 misc. mineral prod.	14	-----	-----	-----	14	-----
Total food and farm products	88	-----	-----	-----	88	-----
Subtotal other agricultural products	88	-----	-----	-----	88	-----
6865 molasses	88	-----	-----	-----	88	-----
Ton-miles (x1000)	6,801		137		1,651	
Internal		2,170		2,764		78
Tons All Traffic (x1000)	7,556					
Ton-miles All Traffic (x1000)	79,800					

HUMBOLDT HARBOR AND BAY, CA

Section Included: Entrance channel to bay and channels in bay between Arcata Wharf on the north and Fields Landing on the south. Controlling Depth: Bar entrance channel, 45.1 feet; channel between the jetties, 35.0 feet; channel at intersection of Fields Landing and North Bay Channel, 27.5 feet, North Bay Channel, 34.8 feet to Standard Oil Wharf at Bucksport, 34.5 feet for remainder of channel; Samoa Channel, 34.6 feet; 30.0 feet in Samoa Turning Basin; Eureka Channel, 29.3 feet to angle in channel, 11.5 feet to "D" Street, 8.9 feet to head of project; Fields Landing Channel, 26.3 feet to Buhne Point, 29.6 feet at Buhne Point; 28.0 feet to turning basin, 28.5 feet in turning basin, 19.6 feet in southeast corner of turning basin. Project Depth: Entrance channel, 40 feet; North Bay, Samoa, and lower portion of Eureka Channel 30 feet, upper portion of Eureka Channel and Fields Landing Channel, 26 feet.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	1,412	1990	1,600
1986	1,506	1991	2,301
1987	1,495	1992	1,311
1988	3,734	1993	994
1989	1,763	1994	1,407

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total	Coastwise	
							Receipts	Shipments
Total, all commodities	1,407	21	663	2	26	695	289	407
Total petroleum and petroleum products	275	-----	-----	-----	-----	275	275	-----
Subtotal petroleum products	275	-----	-----	-----	-----	275	275	-----
2211 gasoline	229	-----	-----	-----	-----	229	229	-----
2330 distillate fuel oil	46	-----	-----	-----	-----	46	46	-----
Total chemicals and related products	7	-----	0	-----	-----	7	7	-----
Subtotal other chemicals and related products	7	-----	0	-----	-----	7	7	-----
3274 sodium hydroxide	7	-----	-----	-----	-----	7	7	-----
3275 inorg. elem., oxides, & halogen salts	0	-----	0	-----	-----	-----	-----	-----
3276 metallic salts	0	-----	0	-----	-----	-----	-----	-----
3285 perfumes & cleansers	0	-----	0	-----	-----	-----	-----	-----
3286 plastics	0	-----	0	-----	-----	-----	-----	-----
Total crude materials, inedible except fuels	1,120	17	662	2	26	413	7	407
Subtotal forest products, wood and chips	957	17	511	2	13	413	7	407
4150 fuel wood	2	-----	-----	2	-----	-----	-----	-----
4161 wood chips	863	-----	485	-----	13	364	-----	364
4170 wood in the rough	34	17	11	-----	-----	7	7	-----
4189 lumber	58	-----	15	-----	-----	42	-----	42

HUMBOLDT HARBOR AND BAY, CA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total	Coastwise	
							Receipts	Shipments
Subtotal pulp and waste paper	151	-----	151	-----	-----	-----	-----	-----
4225 pulp & waste paper	151	-----	151	-----	-----	-----	-----	-----
Subtotal sulphur, clay and salt	0	-----	0	-----	-----	-----	-----	-----
4782 clay & refrac. mat.	0	-----	0	-----	-----	-----	-----	-----
Subtotal other non-metal. min.	12	-----	-----	-----	12	-----	-----	-----
4900 non-metal. min. nec	12	-----	-----	-----	12	-----	-----	-----
Total primary manufactured goods	4	4	0	0	-----	-----	-----	-----
Subtotal lime, cement and glass	0	-----	-----	0	-----	-----	-----	-----
5290 misc. mineral prod.	0	-----	-----	0	-----	-----	-----	-----
Subtotal primary iron and steel products	4	4	-----	-----	-----	-----	-----	-----
5330 i&s plates & sheets	4	4	-----	-----	-----	-----	-----	-----
Subtotal primary non-ferrous metal products	0	-----	0	-----	-----	-----	-----	-----
5480 fab. metal products	0	-----	0	-----	-----	-----	-----	-----
Total food and farm products	0	-----	0	-----	-----	-----	-----	-----
Subtotal vegetable products	0	-----	0	-----	-----	-----	-----	-----
6654 vegetables & prod.	0	-----	0	-----	-----	-----	-----	-----
Subtotal other agricultural products	0	-----	0	-----	-----	-----	-----	-----
6857 fruit & nuts nec	0	-----	0	-----	-----	-----	-----	-----
6858 fruit juices	0	-----	0	-----	-----	-----	-----	-----
Total all manufactured equipment, machinery and products	1	0	1	-----	-----	-----	-----	-----
7110 machinery (not elec)	0	0	0	-----	-----	-----	-----	-----
7120 electrical machinery	0	-----	0	-----	-----	-----	-----	-----
7210 vehicles & parts	1	-----	1	-----	-----	-----	-----	-----
7900 manufac. prod. nec	0	0	0	-----	-----	-----	-----	-----

Other Harbors and Waterways

Harbor or Waterway	Commodity	Tons Thousand
Project		
BERKELEY, CA	No Commerce Reported	
BODEGA BAY, CA	No Commerce Reported	
CRESCENT CITY HARBOR, CA	No Commerce Reported	
MONTEREY HARBOR, CA	No Commerce Reported	
MOSS LANDING HARBOR, CA	No Commerce Reported	
NAPA RIVER, CA	4331 sand & gravel	80
	Total Tons(x1000)	80
	Total Ton-miles(x1000)	160
NOYO RIVER, CA	No Commerce Reported	
PETALUMA RIVER, CA	4331 sand & gravel	192
	4515 marine shells	17
	5290 misc. mineral prod.	23
	Total Tons(x1000)	232
	Total Ton-miles(x1000)	2,430
PILLAR POINT HARBOR, CA	No Commerce Reported	
SAN RAFAEL CREEK, CA	No Commerce Reported	
SANTA CRUZ HARBOR, CA	No Commerce Reported	
SUISUN CHANNEL, CA	5290 misc. mineral prod.	1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	17
Non-project		
OTHER SAN FRANCISCO BAY AREA PORTS, CA (NET)	2100 crude petroleum	13,411
	2221 kerosene	80
	2330 distillate fuel oil	3
	2340 residual fuel oil	1,008
	2350 lube oil & greases	35
	2429 naphtha & solvents	278
	2430 asphalt, tar & pitch	38
	3110 nitrogenous fert.	2
	3260 organic comp. nec	62
	3276 metallic salts	2
	4225 pulp & waste paper	2

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Non-project		
OTHER SAN FRANCISCO BAY AREA PORTS, CA (NET) - continued	4331 sand & gravel	825
	4515 marine shells	23
	4690 non-ferrous ores nec	0
	5480 fab. metal products	0
	6442 rice	20
	6654 vegetables & prod.	0
	6747 grain mill products	0
	6872 cocoa beans	5
	6885 alcoholic beverages	0
	7120 electrical machinery	0
	7210 vehicles & parts	2
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	0
	9900 unknown or nec	0
	Total Tons(x1000)	15,797

HILO HARBOR, HI

Section Included: Port of Hilo. Controlling Depth: 34.0 feet. Project Depth: 35 feet.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	1,319	1990	1,690
1986	1,199	1991	1,556
1987	1,366	1992	1,588
1988	1,456	1993	1,469
1989	1,569	1994	1,455

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign	Canadian		Domestic		
		Imports	Imports	Exports	Total	Coastwise	
						Receipts	Shipments
Total, all commodities	1,455	80	7	7	1,362	900	462
Total coal	42	42	-----	-----	-----	-----	-----
1100 coal lignite	42	42	-----	-----	-----	-----	-----
Total petroleum and petroleum products	242	-----	-----	-----	242	240	3
Subtotal petroleum products	242	-----	-----	-----	242	240	3
2211 gasoline	50	-----	-----	-----	50	50	-----
2330 distillate fuel oil	86	-----	-----	-----	86	84	3
2340 residual fuel oil	90	-----	-----	-----	90	90	-----
2350 lube oil & greases	0	-----	-----	-----	0	0	-----
2640 liquid natural gas	13	-----	-----	-----	13	13	-----
2990 petro. products nec	2	-----	-----	-----	2	2	0
Total chemicals and related products	25	-----	4	-----	21	17	4
Subtotal fertilizers	19	-----	4	-----	15	11	4
3110 nitrogenous fert.	3	-----	2	-----	1	1	-----
3130 potassic fert.	3	-----	2	-----	1	1	-----
3190 fert. & mixes nec	12	-----	-----	-----	12	8	4
Subtotal other chemicals and related products	6	-----	-----	-----	6	6	0
3274 sodium hydroxide	1	-----	-----	-----	1	1	-----
3281 radioactive material	0	-----	-----	-----	0	-----	0
3282 pigments & paints	1	-----	-----	-----	1	1	-----
3284 medicines	0	-----	-----	-----	0	0	-----
3285 perfumes & cleansers	3	-----	-----	-----	3	3	0
3286 plastics	0	-----	-----	-----	0	0	-----
3291 pesticides	0	-----	-----	-----	0	0	-----
3293 explosives	0	-----	-----	-----	0	0	-----
3299 chem. products nec	0	-----	-----	-----	0	0	0

HILO HARBOR, HI
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign	Canadian		Domestic		
		Imports	Imports	Exports	Total	Coastwise	
						Receipts	Shipments
Total crude materials, inedible except fuels	23	6	0	-----	16	14	2
Subtotal forest products, wood and chips	13	-----	0	-----	13	12	1
4150 fuel wood	0	-----	0	-----	0	0	0
4170 wood in the rough	0	-----	-----	-----	0	0	-----
4189 lumber	11	-----	-----	-----	11	11	1
4190 forest products nec	1	-----	-----	-----	1	1	-----
Subtotal pulp and waste paper	0	-----	-----	-----	0	0	-----
4225 pulp & waste paper	0	-----	-----	-----	0	0	-----
Subtotal soil, sand, gravel, rock and stone	7	6	-----	-----	0	0	-----
4331 sand & gravel	6	6	-----	-----	-----	-----	-----
4338 soil & fill dirt	0	-----	-----	-----	0	0	-----
Subtotal iron ore and scrap	3	-----	-----	-----	3	1	1
4420 iron & steel scrap	3	-----	-----	-----	3	1	1
Subtotal other non-metal. min.	1	-----	-----	-----	1	1	-----
4900 non-metal. min. nec	1	-----	-----	-----	1	1	-----
Total primary manufactured goods	490	32	2	-----	456	289	167
Subtotal paper products	25	-----	2	-----	23	22	1
5110 newsprint	2	-----	2	-----	0	0	-----
5120 paper & paperboard	1	-----	-----	-----	1	1	0
5190 paper products nec	22	-----	-----	-----	22	21	1
Subtotal lime, cement and glass	52	32	-----	-----	21	20	0
5220 cement & concrete	47	32	-----	-----	15	15	-----
5240 glass & glass prod.	0	-----	-----	-----	0	0	0
5290 misc. mineral prod.	5	-----	-----	-----	5	5	0
Subtotal primary iron and steel products	2	-----	-----	-----	2	2	0
5360 i&s bars & shapes	1	-----	-----	-----	1	1	0
5370 i&s pipe & tube	1	-----	-----	-----	1	0	0
Subtotal primary non-ferrous metal products	405	-----	0	-----	405	239	166
5480 fab. metal products	405	-----	0	-----	405	239	166
Subtotal primary wood products	5	-----	0	-----	5	5	-----
5540 primary wood prod.	5	-----	0	-----	5	5	-----
Total food and farm products	352	-----	0	7	345	134	211
Subtotal fish	0	-----	-----	0	0	0	-----
6134 fish (not shellfish)	0	-----	-----	0	0	0	-----
Subtotal grain	5	-----	-----	-----	5	5	0
6442 rice	5	-----	-----	-----	5	5	0
Subtotal vegetable products	29	-----	-----	-----	29	12	17
6654 vegetables & prod.	29	-----	-----	-----	29	12	17

HILO HARBOR, HI
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign	Canadian		Domestic	
		Imports	Imports	Exports	Total	Coastwise
					Receipts	Shipments
Subtotal processed grain and animal feed	10	-----	-----	-----	10	10 0
6746 wheat flour	1	-----	-----	-----	1	1 0
6747 grain mill products	0	-----	-----	-----	0	0 -----
6781 hay & fodder	1	-----	-----	-----	1	1 -----
6782 animal feed, prep.	8	-----	-----	-----	8	8 0
Subtotal other agricultural products	309	-----	0	7	302	108 194
6811 meat, fresh, frozen	10	-----	-----	-----	10	10 0
6822 dairy products	1	-----	-----	-----	1	1 -----
6839 animals & prod. nec	11	-----	0	7	4	1 3
6856 bananas & plantains	0	-----	-----	-----	0	0 -----
6857 fruit & nuts nec	4	-----	-----	-----	4	1 3
6858 fruit juices	3	-----	-----	-----	3	0 3
6861 sugar	128	-----	-----	-----	128	----- 128
6865 molasses	11	-----	-----	-----	11	----- 11
6871 coffee	0	-----	-----	-----	0	0 0
6885 alcoholic beverages	12	-----	-----	-----	12	12 0
6887 groceries	10	-----	-----	-----	10	10 0
6889 food products nec	112	-----	-----	-----	112	72 41
6891 tobacco & products	0	-----	-----	-----	0	0 -----
6899 farm products nec	6	-----	-----	-----	6	0 5
Total all manufactured equipment, machinery and products	281	-----	0	-----	281	206 75
7110 machinery (not elec)	6	-----	-----	-----	6	5 1
7120 electrical machinery	1	-----	-----	-----	1	1 0
7210 vehicles & parts	120	-----	-----	-----	120	84 36
7220 aircraft & parts	0	-----	-----	-----	0	0 -----
7230 ships & boats	1	-----	-----	-----	1	1 0
7300 ordnance & access.	0	-----	-----	-----	0	0 -----
7400 manufac. wood prod.	22	-----	-----	-----	22	9 13
7500 textile products	0	-----	-----	-----	0	0 -----
7600 rubber & plastic pr.	4	-----	-----	-----	4	3 0
7900 manufac. prod. nec	127	-----	0	-----	127	102 25
Total unknown or not elsewhere classified	1	-----	-----	-----	1	1 -----
9900 unknown or nec	1	-----	-----	-----	1	1 -----

KAWAIHAE HARBOR, HI

Section Included: Port of Kawaihae. Controlling Depth: 42.0 feet in entrance channel and 36.0 feet in harbor basin.
 Project Depth: Harbor basin 35 feet; entrance channel 40 feet.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	527	1990	887
1986	592	1991	745
1987	871	1992	790
1988	655	1993	655
1989	732	1994	736

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
Total, all commodities	735	526	209
Total petroleum and petroleum products	0	0	-----
Subtotal petroleum products	0	0	-----
2990 petro. products nec	0	0	-----
Total chemicals and related products	4	3	0
Subtotal fertilizers	2	2	0
3190 fert. & mixes nec	2	2	0
Subtotal other chemicals and related products	1	1	0
3281 radioactive material	0	-----	0
3282 pigments & paints	0	0	0
3285 perfumes & cleansers	0	0	-----
3286 plastics	1	1	-----
3291 pesticides	0	0	-----
3293 explosives	0	0	-----
3299 chem. products nec	0	0	-----
Total crude materials, inedible except fuels	9	8	1
Subtotal forest products, wood and chips	6	5	1
4150 fuel wood	0	0	-----
4170 wood in the rough	0	0	0
4189 lumber	6	5	1
4190 forest products nec	0	0	-----
Subtotal pulp and waste paper	0	0	-----
4225 pulp & waste paper	0	0	-----
Subtotal soil, sand, gravel, rock and stone	2	2	-----
4331 sand & gravel	2	2	-----
4338 soil & fill dirt	0	0	-----
Subtotal iron ore and scrap	1	0	1
4420 iron & steel scrap	1	0	1

KAWAIHAE HARBOR, HI
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
Subtotal other non-metal. min.	0	0 -----	
4900 non-metal. min. nec	0	0 -----	
Total primary manufactured goods	417	316	101
Subtotal paper products	5	3	2
5110 newsprint	0	0 -----	
5120 paper & paperboard	0	0 -----	
5190 paper products nec	4	2	2
Subtotal lime, cement and glass	33	33	0
5220 cement & concrete	27	27	0
5240 glass & glass prod.	0	0	0
5290 misc. mineral prod.	6	6	0
Subtotal primary iron and steel products	2	2	0
5360 i&s bars & shapes	1	1	0
5370 i&s pipe & tube	0	0 -----	
Subtotal primary non-ferrous metal products	377	277	100
5480 fab. metal products	377	277	100
Subtotal primary wood products	1	1 -----	
5540 primary wood prod.	1	1 -----	
Total food and farm products	103	58	45
Subtotal fish	0	0 -----	
6134 fish (not shellfish)	0	0 -----	
Subtotal grain	1	1 -----	
6442 rice	1	1 -----	
Subtotal vegetable products	7	4	3
6654 vegetables & prod.	7	4	3
Subtotal processed grain and animal feed	8	8	0
6746 wheat flour	0	0 -----	
6747 grain mill products	0	0 -----	
6781 hay & fodder	1	1 -----	
6782 animal feed, prep.	7	7	0
Subtotal other agricultural products	87	45	42
6811 meat, fresh, frozen	1	1 -----	
6822 dairy products	0	0 -----	
6839 animals & prod. nec	18	4	13
6857 fruit & nuts nec	0	0 -----	
6871 coffee	0	-----	0
6885 alcoholic beverages	9	9 -----	
6887 groceries	1	1	0
6889 food products nec	57	29	28
6899 farm products nec	1	0	1
Total all manufactured equipment, machinery and products	202	141	61
7110 machinery (not elec)	2	1	0
7120 electrical machinery	0	0	0
7210 vehicles & parts	114	75	39
7220 aircraft & parts	0	0	0
7230 ships & boats	4	4	1

KAWAIHAE HARBOR, HI
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
7300 ordnance & access.	0	0	-----
7400 manufac. wood prod.	8	2	6
7500 textile products	0	0	-----
7600 rubber & plastic pr.	1	1	0
7900 manufac. prod. nec	74	59	15

KAHULUI HARBOR, MAUI, HI

Section Included: Port of Kahului. Controlling Depth: 34.0 feet. Project Depth: 35 feet.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	1,517	1990	2,409
1986	1,627	1991	2,434
1987	2,035	1992	2,357
1988	2,157	1993	2,216
1989	2,279	1994	2,368

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign	Canadian		Domestic		
		Imports	Imports	Exports	Total	Coastwise	
						Receipts	Shipments
Total, all commodities	2,368	23	5	1	2,339	1,467	873
Total coal	18	18	-----	-----	-----	-----	-----
1100 coal lignite	18	18	-----	-----	-----	-----	-----
Total petroleum and petroleum products	297	-----	-----	-----	297	289	8
Subtotal petroleum products	297	-----	-----	-----	297	289	8
2211 gasoline	82	-----	-----	-----	82	82	-----
2330 distillate fuel oil	128	-----	-----	-----	128	127	1
2340 residual fuel oil	73	-----	-----	-----	73	66	7
2350 lube oil & greases	1	-----	-----	-----	1	1	-----
2430 asphalt, tar & pitch	0	-----	-----	-----	0	0	-----
2640 liquid natural gas	12	-----	-----	-----	12	12	-----
2990 petro. products nec	1	-----	-----	-----	1	1	0
Total chemicals and related products	32	-----	5	-----	27	27	0
Subtotal fertilizers	23	-----	5	-----	18	18	0
3110 nitrogenous fert.	5	-----	4	-----	1	1	-----

KAHULUI HARBOR, MAUI, HI
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign	Canadian		Domestic		
		Imports	Imports	Exports	Total	Coastwise	
						Receipts	Shipments
3130 potassic fert.	1	-----	-----	1	-----	-----	-----
3190 fert. & mixes nec	17	-----	-----	-----	17	17	0
Subtotal other chemicals and related products	9	-----	-----	-----	9	8	0
3220 alcohols	1	-----	-----	-----	1	1	-----
3260 organic comp. nec	0	-----	-----	-----	0	-----	0
3272 sulphuric acid	0	-----	-----	-----	0	0	-----
3274 sodium hydroxide	0	-----	-----	-----	0	0	-----
3275 inorg. elem., oxides, & halogen salts	0	-----	-----	-----	0	0	-----
3282 pigments & paints	1	-----	-----	-----	1	1	-----
3284 medicines	0	-----	-----	-----	0	0	-----
3285 perfumes & cleansers	3	-----	-----	-----	3	3	0
3286 plastics	1	-----	-----	-----	1	1	0
3291 pesticides	1	-----	-----	-----	1	1	-----
3293 explosives	0	-----	-----	-----	0	0	-----
3299 chem. products nec	1	-----	-----	-----	1	1	0
Total crude materials, inedible except fuels	128	5	-----	-----	123	119	3
Subtotal forest products, wood and chips	21	-----	-----	-----	21	21	1
4150 fuel wood	0	-----	-----	-----	0	0	-----
4170 wood in the rough	0	-----	-----	-----	0	0	-----
4189 lumber	21	-----	-----	-----	21	20	1
4190 forest products nec	1	-----	-----	-----	1	1	-----
Subtotal pulp and waste paper	0	-----	-----	-----	0	0	-----
4225 pulp & waste paper	0	-----	-----	-----	0	0	-----
Subtotal soil, sand, gravel, rock and stone	95	5	-----	-----	89	89	-----
4331 sand & gravel	94	5	-----	-----	88	88	-----
4338 soil & fill dirt	1	-----	-----	-----	1	1	-----
Subtotal iron ore and scrap	9	-----	-----	-----	9	7	3
4420 iron & steel scrap	9	-----	-----	-----	9	7	3
Subtotal other non-metal. min.	2	-----	-----	-----	2	2	-----
4900 non-metal. min. nec	2	-----	-----	-----	2	2	-----
Total primary manufactured goods	787	-----	0	-----	787	507	280
Subtotal paper products	23	-----	-----	-----	23	23	0
5110 newsprint	1	-----	-----	-----	1	1	-----
5120 paper & paperboard	1	-----	-----	-----	1	1	-----
5190 paper products nec	21	-----	-----	-----	21	21	0
Subtotal lime, cement and glass	67	-----	-----	-----	67	67	0
5220 cement & concrete	48	-----	-----	-----	48	48	0
5240 glass & glass prod.	0	-----	-----	-----	0	0	0
5290 misc. mineral prod.	19	-----	-----	-----	19	19	0
Subtotal primary iron and steel products	8	-----	-----	-----	8	8	0
5360 i&s bars & shapes	2	-----	-----	-----	2	2	0

KAHULUI HARBOR, MAUI, HI
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign	Canadian		Domestic	
		Imports	Imports	Exports	Total	Coastwise
					Receipts	Shipments
5370 i&s pipe & tube	6	-----	-----	-----	6	6 -----
Subtotal primary non-ferrous metal products	682	-----	0 -----	-----	682	403 280
5480 fab. metal products	682	-----	0 -----	-----	682	403 280
Subtotal primary wood products	7	-----	0 -----	-----	7	7 -----
5540 primary wood prod.	7	-----	0 -----	-----	7	7 -----
Total food and farm products	640	-----	0	1	639	204 435
Subtotal fish	0	-----	-----	-----	0	0 -----
6134 fish (not shellfish)	0	-----	-----	-----	0	0 -----
Subtotal grain	3	-----	-----	-----	3	3 -----
6442 rice	3	-----	-----	-----	3	3 -----
Subtotal vegetable products	18	-----	-----	-----	18	12 6
6654 vegetables & prod.	18	-----	-----	-----	18	12 6
Subtotal processed grain and animal feed	13	-----	-----	-----	13	13 0
6746 wheat flour	1	-----	-----	-----	1	1 -----
6747 grain mill products	0	-----	-----	-----	0	0 -----
6781 hay & fodder	1	-----	-----	-----	1	1 -----
6782 animal feed, prep.	11	-----	-----	-----	11	11 0
Subtotal other agricultural products	605	-----	0	1	605	176 429
6811 meat, fresh, frozen	7	-----	-----	-----	7	6 0
6822 dairy products	3	-----	-----	-----	3	3 0
6839 animals & prod. nec	8	-----	0	1	7	3 4
6856 bananas & plantains	0	-----	-----	-----	0	0 -----
6857 fruit & nuts nec	1	-----	-----	-----	1	1 -----
6858 fruit juices	107	-----	-----	-----	107	0 107
6861 sugar	261	-----	-----	-----	261	----- 261
6865 molasses	43	-----	-----	-----	43	----- 43
6871 coffee	0	-----	-----	-----	0	0 -----
6885 alcoholic beverages	22	-----	-----	-----	22	22 0
6887 groceries	10	-----	-----	-----	10	10 0
6889 food products nec	144	-----	-----	-----	144	131 13
6899 farm products nec	1	-----	-----	-----	1	1 0
Total all manufactured equipment, machinery and products	467	-----	-----	-----	467	321 146
7110 machinery (not elec)	9	-----	-----	-----	9	7 1
7120 electrical machinery	1	-----	-----	-----	1	1 -----
7210 vehicles & parts	229	-----	-----	-----	229	141 88
7220 aircraft & parts	0	-----	-----	-----	0	0 -----
7230 ships & boats	3	-----	-----	-----	3	2 1
7300 ordnance & access.	0	-----	-----	-----	0	0 -----
7400 manufac. wood prod.	28	-----	-----	-----	28	7 20
7500 textile products	0	-----	-----	-----	0	0 -----
7600 rubber & plastic pr.	5	-----	-----	-----	5	4 0
7900 manufac. prod. nec	193	-----	-----	-----	193	158 35

KAHULUI HARBOR, MAUI, HI
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign	Canadian		Domestic	
		Imports	Imports	Exports	Total	Coastwise
					Receipts	Shipments
Total unknown or not elsewhere classified	1	-----	-----	-----	1	1 -----
9900 unknown or nec	1	-----	-----	-----	1	1 -----

BARBERS POINT HARBOR, OAHU, HI

Section Included: Barbers Point Harbor. Controlling Depth: 42 feet in the entrance channel and 37 feet in the main access channel and basin. Projects Depth: 42 feet in the entrance channel; 38 feet in the deep-draft harbor main access channel and basin; 21 feet in light-draft harbor basin. Deep draft anchorage(foreign and pipeline).

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	6,752	1990	8,034
1986	5,629	1991	9,002
1987	7,135	1992	8,824
1988	7,511	1993	9,357
1989	7,374	1994	9,022

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Domestic			Internal Intra Upbound
		Imports	Exports	Total	Coastwise	Shipments	
				Receipts			
Total, all commodities	9,022	4,255	799	3,969	3,194	765	9
Total coal	325	325	-----	-----	-----	-----	-----
1100 coal lignite	325	325	-----	-----	-----	-----	-----
Total petroleum and petroleum products	8,431	3,834	716	3,882	3,190	683	9
Subtotal crude petroleum	6,929	3,793	-----	3,136	3,136	-----	-----
2100 crude petroleum	6,929	3,793	-----	3,136	3,136	-----	-----
Subtotal petroleum products	1,502	40	716	746	54	683	9
2211 gasoline	292	-----	94	198	5	194	-----
2330 distillate fuel oil	141	-----	30	111	19	92	0
2340 residual fuel oil	517	-----	160	357	20	328	9
2350 lube oil & greases	10	-----	-----	10	10	-----	-----
2429 naphtha & solvents	509	40	432	37	-----	37	-----
2640 liquid natural gas	33	-----	-----	33	0	33	-----

BARBERS POINT HARBOR, OAHU, HI
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Domestic			Internal Intra Upbound
		Imports	Exports	Total	Coastwise		
					Receipts	Shipments	
Total crude materials, inedible except fuels	100	11	83	7	4	3	-----
Subtotal soil, sand, gravel, rock and stone	13	11	-----	2	1	1	-----
4323 gypsum	11	11	-----	-----	-----	-----	-----
4331 sand & gravel	2	-----	-----	2	1	1	-----
Subtotal iron ore and scrap	87	-----	83	5	4	1	-----
4420 iron & steel scrap	87	-----	83	5	4	1	-----
Total primary manufactured goods	164	84	-----	80	-----	80	-----
Subtotal lime, cement and glass	164	84	-----	80	-----	80	-----
5220 cement & concrete	164	84	-----	80	-----	80	-----
Subtotal primary iron and steel products	0	0	-----	-----	-----	-----	-----
5390 primary i&s nec	0	0	-----	-----	-----	-----	-----
Subtotal primary non-ferrous metal products	0	0	-----	-----	-----	-----	-----
5480 fab. metal products	0	0	-----	-----	-----	-----	-----
Total food and farm products	1	1	-----	-----	-----	-----	-----
Subtotal fish	0	0	-----	-----	-----	-----	-----
6136 shellfish	0	0	-----	-----	-----	-----	-----
Subtotal other agricultural products	1	1	-----	-----	-----	-----	-----
6811 meat, fresh, frozen	0	0	-----	-----	-----	-----	-----
6822 dairy products	0	0	-----	-----	-----	-----	-----
6885 alcoholic beverages	0	0	-----	-----	-----	-----	-----
Total all manufactured equipment, machinery and products	0	0	-----	0	0	-----	-----
7110 machinery (not elec)	0	-----	-----	0	0	-----	-----
7900 manufac. prod. nec	0	0	-----	-----	-----	-----	-----

HONOLULU HARBOR, OAHU, HI

Section Included: Port of Honolulu. Controlling Depth: 45.0 feet in the entrance channel; 40.0 feet in the main harbor basin; 40.0 feet in Kapalama Basin; 40.0 feet in the connecting channel. Project Depth: 45.0 feet in the entrance channel; 40 feet in harbor basin, connecting channel; 23.0 feet in Kalihi Channel.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	7,986	1990	11,341
1986	8,604	1991	11,208
1987	9,737	1992	11,522
1988	10,655	1993	10,595
1989	10,360	1994	11,672

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports	Imports	Total	Coastwise	Internal	
					Receipts	Shipments	Intraport	
Total, all commodities	11,672	1,413	301	43	9,915	5,558	4,230	127
Total coal	242	242	-----	-----	0	0	-----	-----
1100 coal lignite	242	242	-----	-----	-----	-----	-----	-----
1200 coal coke	0	-----	-----	-----	0	0	-----	-----
Total petroleum and petroleum products	2,096	993	164	-----	940	531	298	110
Subtotal crude petroleum	896	896	-----	-----	-----	-----	-----	-----
2100 crude petroleum	896	896	-----	-----	-----	-----	-----	-----
Subtotal petroleum products	1,200	97	164	-----	940	531	298	110
2211 gasoline	262	-----	53	-----	210	146	53	10
2221 kerosene	65	65	-----	-----	-----	-----	-----	-----
2330 distillate fuel oil	134	-----	-----	-----	134	23	109	1
2340 residual fuel oil	550	-----	7	-----	543	331	113	99
2350 lube oil & greases	20	0	-----	-----	20	8	12	-----
2410 petro. jelly & waxes	0	0	-----	-----	0	0	-----	-----
2429 naphtha & solvents	137	32	105	-----	0	0	-----	-----
2430 asphalt, tar & pitch	0	-----	-----	-----	0	-----	0	-----
2540 petroleum coke	0	-----	-----	-----	0	0	-----	-----
2640 liquid natural gas	13	-----	-----	-----	13	7	5	0
2990 petro. products nec	20	-----	-----	-----	20	16	4	-----
Total chemicals and related products	251	3	1	-----	247	188	60	-----
Subtotal fertilizers	87	0	0	-----	86	54	32	-----
3110 nitrogenous fert.	0	-----	-----	-----	0	0	-----	-----
3130 potassic fert.	0	-----	-----	-----	0	0	-----	-----
3190 fert. & mixes nec	87	0	0	-----	86	54	32	-----

HONOLULU HARBOR, OAHU, HI
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports	Imports	Total	Coastwise		Internal
					Receipts	Shipments	Intraport	
Subtotal other chemicals and related products	164	3	0	-----	161	134	28	-----
3211 acyclic hydrocarbons	0	0	0	-----	-----	-----	-----	-----
3219 other hydrocarbons	1	-----	0	-----	1	1	-----	-----
3220 alcohols	2	-----	0	-----	2	2	-----	-----
3230 carboxylic acids	0	-----	-----	-----	0	0	-----	-----
3240 nitrogen func. comp.	0	0	-----	-----	0	0	-----	-----
3250 organo- inorgan. comp	0	-----	-----	-----	0	0	-----	-----
3260 organic comp. nec	0	0	0	-----	0	0	0	-----
3272 sulphuric acid	0	-----	-----	-----	0	-----	0	-----
3274 sodium hydroxide	10	-----	-----	-----	10	10	-----	-----
3275 inorg. elem.,oxides, & halogen salts	2	0	0	-----	2	2	0	-----
3276 metallic salts	0	0	0	-----	0	0	-----	-----
3281 radioactive material	2	-----	-----	-----	2	0	2	-----
3282 pigments & paints	26	0	0	-----	26	22	3	-----
3283 coloring mat. nec	0	0	-----	-----	-----	-----	-----	-----
3284 medicines	8	0	0	-----	8	8	0	-----
3285 perfumes & cleansers	67	0	0	-----	67	60	7	-----
3286 plastics	14	0	0	-----	13	9	4	-----
3291 pesticides	5	0	-----	-----	5	3	2	-----
3292 starches, gluten, glue	1	1	-----	-----	0	0	-----	-----
3293 explosives	4	1	0	-----	3	2	1	-----
3297 chemical additives	0	-----	-----	-----	0	0	-----	-----
3298 wood & resin chem.	0	-----	-----	-----	0	0	-----	-----
3299 chem. products nec	22	0	-----	-----	22	14	9	-----
Total crude materials, inedible except fuels	595	32	82	-----	480	268	200	12
Subtotal forest products, wood and chips	289	0	2	-----	286	234	52	-----
4150 fuel wood	1	0	-----	-----	1	1	0	-----
4161 wood chips	0	0	-----	-----	0	0	-----	-----
4170 wood in the rough	6	-----	0	-----	6	5	0	-----
4189 lumber	275	0	2	-----	273	223	50	-----
4190 forest products nec	7	0	0	-----	7	5	2	-----
Subtotal pulp and waste paper	42	-----	39	-----	2	2	1	-----
4225 pulp & waste paper	42	-----	39	-----	2	2	1	-----
Subtotal soil, sand, gravel, rock and stone	153	31	0	-----	123	7	103	12
4310 building stone	1	-----	-----	-----	1	0	1	-----
4323 gypsum	20	20	-----	-----	1	1	0	-----
4331 sand & gravel	125	11	0	-----	114	1	101	12
4338 soil & fill dirt	7	-----	-----	-----	7	5	2	-----
Subtotal iron ore and scrap	84	-----	37	-----	47	7	40	-----
4410 iron ore	0	-----	-----	-----	0	0	-----	-----
4420 iron & steel scrap	84	-----	37	-----	47	7	40	-----
Subtotal marine shells	0	0	-----	-----	0	0	-----	-----
4515 marine shells	0	0	-----	-----	0	0	-----	-----

HONOLULU HARBOR, OAHU, HI
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Intraport
		Imports	Exports	Imports	Total	Coastwise		
					Receipts	Shipments		
Subtotal non-ferrous ores and scrap	3	0	3	-----	0	0	-----	-----
4680 non-ferrous scrap	3	0	3	-----	0	0	-----	-----
4690 non-ferrous ores nec	0	0	-----	-----	-----	-----	-----	-----
Subtotal sulphur, clay and salt	1	-----	1	-----	1	1	-----	-----
4741 sulphur, (dry)	1	-----	1	-----	-----	-----	-----	-----
4782 clay & refrac. mat.	1	-----	-----	-----	1	1	-----	-----
Subtotal other non-metal. min.	22	1	-----	-----	22	18	3	-----
4900 non-metal. min. nec	22	1	-----	-----	22	18	3	-----
Total primary manufactured goods	2,917	46	3	16	2,853	1,395	1,457	2
Subtotal paper products	265	1	0	16	248	194	53	-----
5110 newsprint	21	-----	-----	16	5	3	2	-----
5120 paper & paperboard	30	0	0	-----	29	27	3	-----
5190 paper products nec	214	1	0	-----	213	164	49	-----
Subtotal lime, cement and glass	310	36	0	-----	274	169	103	2
5220 cement & concrete	109	31	0	-----	78	21	58	-----
5240 glass & glass prod.	6	3	0	-----	3	3	0	-----
5290 misc. mineral prod.	196	3	0	-----	192	145	46	2
Subtotal primary iron and steel products	56	6	0	-----	49	32	16	-----
5312 pig iron	0	-----	-----	-----	0	0	-----	-----
5320 i&s primary forms	0	-----	-----	-----	0	0	-----	-----
5330 i&s plates & sheets	7	2	0	-----	4	4	-----	-----
5360 i&s bars & shapes	33	2	0	-----	30	24	6	-----
5370 i&s pipe & tube	14	0	0	-----	14	4	10	-----
5390 primary i&s nec	1	1	-----	-----	0	0	-----	-----
Subtotal primary non-ferrous metal products	2,195	1	1	0	2,192	924	1,268	0
5421 copper	0	-----	-----	-----	0	0	-----	-----
5422 aluminum	1	0	0	-----	1	1	-----	-----
5429 smelted prod. nec	0	0	-----	-----	0	0	-----	-----
5480 fab. metal products	2,194	1	1	0	2,191	923	1,268	0
Subtotal primary wood products	91	0	1	-----	91	75	16	-----
5540 primary wood prod.	91	0	1	-----	91	75	16	-----
Total food and farm products	2,870	48	48	27	2,747	1,725	1,021	1
Subtotal fish	11	7	0	0	4	3	1	-----
6134 fish (not shellfish)	8	4	-----	-----	4	3	1	-----
6136 shellfish	3	3	0	0	0	0	-----	-----
Subtotal grain	113	3	2	27	81	71	10	-----
6241 wheat	41	-----	-----	27	14	14	-----	-----
6344 corn	1	-----	-----	-----	1	1	0	-----
6442 rice	71	3	2	-----	67	57	10	-----

HONOLULU HARBOR, OAHU, HI
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports	Imports	Total	Coastwise		Internal
					Receipts	Shipments	Intraport	
6443 barley & rye	0	-----	-----	-----	0	0	-----	-----
Subtotal oilseeds	2	0	0	-----	1	1	-----	-----
6521 peanuts	0	-----	-----	-----	0	0	-----	-----
6522 soybeans	1	0	-----	-----	1	1	-----	-----
6590 oilseeds nec	1	0	0	-----	1	1	-----	-----
Subtotal vegetable products	247	8	1	-----	238	198	40	0
6653 vegetable oils	1	0	0	-----	1	1	-----	-----
6654 vegetables & prod.	246	8	1	-----	237	197	40	0
Subtotal processed grain and animal feed	259	3	3	0	253	210	43	-----
6746 wheat flour	69	0	2	-----	67	64	3	-----
6747 grain mill products	11	3	1	-----	7	6	0	-----
6781 hay & fodder	23	-----	-----	0	23	20	3	-----
6782 animal feed, prep.	157	0	0	0	156	120	36	-----
Subtotal other agricultural products	2,238	27	42	0	2,169	1,241	927	1
6811 meat, fresh, frozen	175	5	2	-----	168	147	21	0
6817 meat, prepared	1	0	0	-----	1	1	-----	-----
6822 dairy products	41	0	0	-----	40	35	5	-----
6835 fish, prepared	2	2	0	0	0	0	-----	-----
6839 animals & prod. nec	53	0	0	-----	53	35	18	0
6856 bananas & plantains	14	-----	-----	-----	14	14	1	-----
6857 fruit & nuts nec	48	1	0	0	47	41	5	-----
6858 fruit juices	299	4	4	-----	291	112	179	1
6861 sugar	143	-----	0	-----	143	0	143	-----
6865 molasses	267	-----	29	-----	238	75	163	-----
6871 coffee	7	0	0	-----	6	5	1	0
6885 alcoholic beverages	277	10	0	0	266	215	51	-----
6887 groceries	126	-----	-----	-----	126	100	26	-----
6888 water & ice	1	-----	1	-----	-----	-----	-----	-----
6889 food products nec	761	3	5	-----	753	446	306	0
6891 tobacco & products	4	0	0	-----	3	3	0	-----
6893 cotton	0	-----	-----	-----	0	0	-----	-----
6894 natural fibers nec	0	-----	0	-----	-----	-----	-----	-----
6899 farm products nec	19	0	0	-----	19	12	7	-----
Total all manufactured equipment, machinery and products	2,663	49	3	0	2,611	1,422	1,188	1
7110 machinery (not elec)	131	2	1	0	128	82	46	0
7120 electrical machinery	29	2	1	-----	26	24	2	-----
7210 vehicles & parts	924	27	0	-----	898	396	501	1
7220 aircraft & parts	0	-----	-----	-----	0	0	0	0
7230 ships & boats	15	-----	0	-----	14	4	10	-----
7300 ordnance & access.	1	0	0	-----	1	1	1	-----
7400 manufac. wood prod.	131	1	0	-----	130	83	47	0
7500 textile products	17	2	0	-----	14	14	1	-----
7600 rubber & plastic pr.	32	5	0	0	27	15	12	-----
7900 manufac. prod. nec	1,382	11	0	0	1,371	804	567	0

HONOLULU HARBOR, OAHU, HI
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports	Imports	Total	Coastwise	Internal	
					Receipts	Shipments	Intraport	
Total unknown or not elsewhere classified	38	1	1	-----	37	29	7	0
9900 unknown or nec	38	1	1	-----	37	29	7	0

NAWILIWILI HARBOR, KAUAI, HI

Section Included: Port of Nawiliwili. Controlling Depth: 41.0 feet in the outer channel; 41.0 feet in the inner channel; 34.0 feet in the harbor basin. Project Depth: 40 feet in the channel; 35 feet in the harbor basin.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	933	1990	959
1986	745	1991	1,005
1987	916	1992	1,143
1988	876	1993	1,283
1989	1,038	1994	1,151

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Imports	Imports	Total Receipts	Coastwise Shipments	Internal Intraport
Total, all commodities	1,151	5	7	1,139	672	467
Total petroleum and petroleum products	26	-----	-----	26	26	-----
Subtotal petroleum products	26	-----	-----	26	26	-----
2211 gasoline	15	-----	-----	15	15	-----
2330 distillate fuel oil	2	-----	-----	2	2	-----
2340 residual fuel oil	1	-----	-----	1	1	-----
2350 lube oil & greases	1	-----	-----	1	1	-----
2640 liquid natural gas	6	-----	-----	6	6	-----
2990 petro. products nec	1	-----	-----	1	1	-----
Total chemicals and related products	25	5	7	13	13	0
Subtotal fertilizers	22	5	7	10	10	0
3110 nitrogenous fert.	6	-----	4	2	2	-----
3120 phosphatic fert.	5	5	-----	-----	-----	-----
3130 potassic fert.	6	-----	4	2	2	-----
3190 fert. & mixes nec	6	-----	-----	6	6	0

NAWILIWILI HARBOR, KAUAI, HI
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Imports	Imports	Total	Coastwise	
					Receipts	Shipments
Subtotal other chemicals and related products	3	-----	-----	3	3	0
3274 sodium hydroxide	0	-----	-----	0	0	-----
3282 pigments & paints	1	-----	-----	1	1	0
3284 medicines	0	-----	-----	0	0	-----
3285 perfumes & cleansers	1	-----	-----	1	1	0
3286 plastics	0	-----	-----	0	0	-----
3291 pesticides	0	-----	-----	0	0	-----
3293 explosives	0	-----	-----	0	0	-----
3299 chem. products nec	0	-----	-----	0	0	0
Total crude materials, inedible except fuels	18	-----	-----	18	16	2
Subtotal forest products, wood and chips	14	-----	-----	14	13	0
4150 fuel wood	0	-----	-----	0	0	0
4170 wood in the rough	0	-----	-----	0	0	0
4189 lumber	13	-----	-----	13	13	0
4190 forest products nec	0	-----	-----	0	0	-----
Subtotal pulp and waste paper	0	-----	-----	0	0	0
4225 pulp & waste paper	0	-----	-----	0	0	0
Subtotal soil, sand, gravel, rock and stone	0	-----	-----	0	0	-----
4338 soil & fill dirt	0	-----	-----	0	0	-----
Subtotal iron ore and scrap	4	-----	-----	4	2	2
4420 iron & steel scrap	4	-----	-----	4	2	2
Subtotal other non-metal. min.	0	-----	-----	0	0	-----
4900 non-metal. min. nec	0	-----	-----	0	0	-----
Total primary manufactured goods	529	-----	-----	529	328	201
Subtotal paper products	5	-----	-----	5	4	1
5110 newsprint	0	-----	-----	0	0	-----
5120 paper & paperboard	0	-----	-----	0	0	0
5190 paper products nec	4	-----	-----	4	3	1
Subtotal lime, cement and glass	57	-----	-----	57	57	0
5220 cement & concrete	43	-----	-----	43	43	-----
5240 glass & glass prod.	0	-----	-----	0	0	0
5290 misc. mineral prod.	14	-----	-----	14	14	0
Subtotal primary iron and steel products	4	-----	-----	4	4	0
5360 i&s bars & shapes	2	-----	-----	2	2	0
5370 i&s pipe & tube	2	-----	-----	2	2	-----
Subtotal primary non-ferrous metal products	461	-----	-----	461	260	201
5480 fab. metal products	461	-----	-----	461	260	201
Subtotal primary wood products	2	-----	-----	2	2	0
5540 primary wood prod.	2	-----	-----	2	2	0
Total food and farm products	269	-----	-----	269	87	182
Subtotal fish	0	-----	-----	0	0	-----
6134 fish (not shellfish)	0	-----	-----	0	0	-----

NAWILIWILI HARBOR, KAUAI, HI
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Imports	Imports	Total	Coastwise	
					Receipts	Shipments
Subtotal grain	2	-----	-----	2	2	0
6344 corn	0	-----	-----	0	-----	0
6442 rice	2	-----	-----	2	2	-----
Subtotal vegetable products	8	-----	-----	8	8	1
6654 vegetables & prod.	8	-----	-----	8	8	1
Subtotal processed grain and animal feed	4	-----	-----	4	4	0
6746 wheat flour	0	-----	-----	0	0	0
6747 grain mill products	0	-----	-----	0	0	-----
6781 hay & fodder	0	-----	-----	0	0	-----
6782 animal feed, prep.	4	-----	-----	4	4	0
Subtotal other agricultural products	254	-----	-----	254	73	181
6811 meat, fresh, frozen	3	-----	-----	3	3	0
6822 dairy products	1	-----	-----	1	1	-----
6839 animals & prod. nec	6	-----	-----	6	3	4
6857 fruit & nuts nec	0	-----	-----	0	0	0
6861 sugar	147	-----	-----	147	-----	147
6865 molasses	21	-----	-----	21	-----	21
6871 coffee	0	-----	-----	0	0	0
6885 alcoholic beverages	9	-----	-----	9	9	0
6887 groceries	4	-----	-----	4	4	-----
6889 food products nec	63	-----	-----	63	54	9
6899 farm products nec	0	-----	-----	0	0	0
Total all manufactured equipment, machinery and products	284	-----	-----	284	202	82
7110 machinery (not elec)	4	-----	-----	4	4	1
7120 electrical machinery	0	-----	-----	0	0	0
7210 vehicles & parts	134	-----	-----	134	81	53
7220 aircraft & parts	0	-----	-----	0	-----	0
7230 ships & boats	2	-----	-----	2	2	1
7300 ordnance & access.	0	-----	-----	0	0	-----
7400 manufac. wood prod.	14	-----	-----	14	2	11
7500 textile products	0	-----	-----	0	0	-----
7600 rubber & plastic pr.	3	-----	-----	3	3	0
7900 manufac. prod. nec	126	-----	-----	126	110	16

Other Harbors and Waterways

Harbor or Waterway	Commodity	Tons Thousand
Project		
HANA HARBOR, MAUI, HI	No Commerce Reported	
KAILUA HARBOR, OAHU, HI	No Commerce Reported	
KALAUPAPA HARBOR, MOLOKAI, HI	No Commerce Reported	
KAUNAKAKAI HARBOR, MOLOKAI, HI	3190 fert. & mixes nec	0
	4150 fuel wood	0
	4170 wood in the rough	0
	4189 lumber	1
	4331 sand & gravel	5
	4420 iron & steel scrap	0
	5120 paper & paperboard	0
	5190 paper products nec	1
	5220 cement & concrete	2
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	2
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	1
	5480 fab. metal products	69
	6654 vegetables & prod.	12
	6781 hay & fodder	0
	6782 animal feed, prep.	0
	6839 animals & prod. nec	5
	6889 food products nec	16
	7210 vehicles & parts	42
	7230 ships & boats	2
	7400 manufac. wood prod.	3
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	28
	Total Tons(x1000)	189
PORT ALLEN HARBOR, KAUAI, HI	3190 fert. & mixes nec	1
	Total Tons(x1000)	1
WAKE ISLAND HARBOR, WAKE ISLAND	No Commerce Reported	
WELLS HARBOR, MIDWAY ISLAND	No Commerce Reported	

COLUMBIA RIVER AND TRIBUTARIES ABOVE McNARY LOCK AND DAM TO KENNEWICK, WA

Section Included: Columbia River and Tributaries, McNary Lock and Dam to Kennewick, WA. Controlling Depth: 20 feet. Project Depth: 14 feet.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	5,235	1990	6,359
1986	5,790	1991	6,772
1987	6,424	1992	6,415
1988	7,819	1993	7,218
1989	6,073	1994	7,927

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	7,927	545	4	22	1,450	1,474	4,416	16	
Total petroleum and petroleum products	1,683	302	4	1	-----	1,354	21	-----	
Subtotal petroleum products	1,683	302	4	1	-----	1,354	21	-----	
2211 gasoline	895	4	-----	-----	-----	876	15	-----	
2330 distillate fuel oil	788	297	4	1	-----	479	6	-----	
Total chemicals and related products	359	238	-----	21	61	22	0	16	
Subtotal fertilizers	96	1	-----	12	61	6	-----	16	
3110 nitrogenous fert.	96	1	-----	12	61	6	-----	16	
Subtotal other chemicals and related products	263	237	-----	8	0	17	0	-----	
3273 ammonia	231	213	-----	8	-----	9	-----	-----	
3274 sodium hydroxide	24	24	-----	-----	-----	-----	-----	-----	
3276 metallic salts	7	-----	-----	-----	-----	7	-----	-----	
3286 plastics	1	-----	-----	-----	0	-----	0	-----	
Total crude materials, inedible except fuels	925	2	-----	-----	0	85	838	-----	
Subtotal forest products, wood and chips	906	2	-----	-----	0	82	822	-----	
4161 wood chips	488	-----	-----	-----	-----	-----	488	-----	
4170 wood in the rough	269	-----	-----	-----	0	-----	269	-----	
4189 lumber	0	-----	-----	-----	-----	-----	0	-----	
4190 forest products nec	148	2	-----	-----	-----	82	64	-----	
Subtotal pulp and waste paper	12	-----	-----	-----	-----	-----	12	-----	
4225 pulp & waste paper	12	-----	-----	-----	-----	-----	12	-----	
Subtotal soil, sand, gravel, rock and stone	1	-----	-----	-----	-----	-----	1	-----	
4331 sand & gravel	1	-----	-----	-----	-----	-----	1	-----	

COLUMBIA RIVER AND TRIBUTARIES ABOVE McNARY LOCK AND DAM TO KENNEWICK, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Intra Downbnd
Subtotal non-ferrous ores and scrap	3	-----	-----	-----	-----	3	-----
4680 non-ferrous scrap	3	-----	-----	-----	-----	3	-----
Subtotal sulphur, clay and salt	3	-----	-----	-----	-----	-----	3
4782 clay & refrac. mat.	3	-----	-----	-----	-----	-----	3
Total primary manufactured goods	49	1	-----	-----	2	2	44
Subtotal paper products	47	-----	-----	-----	1	2	44
5190 paper products nec	47	-----	-----	-----	1	2	44
Subtotal primary non-ferrous metal products	1	1	-----	-----	1	-----	-----
5480 fab. metal products	1	1	-----	-----	1	-----	-----
Subtotal primary wood products	1	-----	-----	-----	1	-----	-----
5540 primary wood prod.	1	-----	-----	-----	1	-----	-----
Total food and farm products	4,896	-----	-----	-----	1,385	0	3,511
Subtotal grain	4,838	-----	-----	-----	1,359	-----	3,479
6241 wheat	4,692	-----	-----	-----	1,354	-----	3,338
6344 corn	5	-----	-----	-----	5	-----	0
6443 barley & rye	141	-----	-----	-----	1	-----	140
Subtotal oilseeds	0	-----	-----	-----	0	-----	0
6522 soybeans	0	-----	-----	-----	0	-----	0
Subtotal vegetable products	36	-----	-----	-----	6	0	30
6654 vegetables & prod.	36	-----	-----	-----	6	0	30
Subtotal processed grain and animal feed	3	-----	-----	-----	1	0	1
6747 grain mill products	2	-----	-----	-----	1	0	1
6781 hay & fodder	1	-----	-----	-----	0	-----	1
6782 animal feed, prep.	0	-----	-----	-----	0	-----	-----
Subtotal other agricultural products	20	-----	-----	-----	19	-----	1
6839 animals & prod. nec	18	-----	-----	-----	18	-----	-----
6857 fruit & nuts nec	1	-----	-----	-----	1	-----	-----
6858 fruit juices	1	-----	-----	-----	1	-----	-----
6899 farm products nec	1	-----	-----	-----	-----	-----	1
Total all manufactured equipment, machinery and products	15	3	-----	-----	0	10	2
7110 machinery (not elec)	1	-----	-----	-----	-----	-----	1
7600 rubber & plastic pr.	0	-----	-----	-----	-----	0	0
7800 empty containers	14	3	-----	-----	0	10	1
7900 manufac. prod. nec	0	-----	-----	-----	-----	-----	0
Total waste and scrap nec	1	-----	-----	-----	1	-----	-----
8900 waste and scrap nec	1	-----	-----	-----	1	-----	-----

COLUMBIA RIVER AND TRIBUTARIES ABOVE MCNARY LOCK AND DAM TO KENNEWICK, WA
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Intra Downbnd
Ton-miles (x1000)	254,100	8,727	141	102	38,535	51,581	154,546
Tons All Traffic (x1000)	7,927						
Ton-miles All Traffic (x1000)	254,100						

SNAKE RIVER, OR, WA AND ID

Section Included: Mouth of Snake River to Johnson Bar Landing. Controlling Depth: 14 feet from mouth to Ice Harbor Lock Approach Channel; 14 feet in Ice Harbor Approach Channel; 14 feet within Ice Harbor pool; 14 feet in Lower Monumental approach channel; 14 feet within lower monumental pool; 14 feet in Little Goose Approach Channel; 14 feet within Little Goose Pool; 14 feet in Lower Granite Approach Channel; 14 feet within Lower Granite Pool; about 3.0 feet from head of Lower Granite Pool to Johnson Bar Landing. Project Depth: 14 feet from mouth to the Ice Harbor approach channel; 14 feet in Ice Harbor Channel; 14 feet within Ice Harbor pool; 14 feet in Lower Monumental Approach channel; 14 feet within Lower Monumental Pool; 14 feet in Little Goose Approach Channel; 14 feet in Little Goose channel; 14 feet within Little Goose pool; 14 feet in Lower Granite approach channel; 14 feet in Lower Granite Channel; 14 feet within Lower Granite Pool; 2 feet to Johnson Bar Landing.

Comparative Statement of Traffic
 (thousand tons)

Year	Total	Year	Total
1985	3,519	1990	4,804
1986	5,043	1991	5,053
1987	4,645	1992	4,719
1988	7,125	1993	5,339
1989	5,930	1994	5,929

Freight Traffic, 1994
 (thousand tons)

Commodity	Grand Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Intra Upbound
Total, all commodities	5,929	1,395	2	1	3,308	101	1,112
Total petroleum and petroleum products	1,391	1,356	-----	-----	25	-----	10
Subtotal petroleum products	1,391	1,356	-----	-----	25	-----	10
2211 gasoline	892	876	-----	-----	15	-----	1
2330 distillate fuel oil	500	480	-----	-----	11	-----	9
Total chemicals and related products	43	39	-----	-----		4	0
Subtotal fertilizers	18	18	-----	-----		-----	-----
3110 nitrogenous fert.	18	18	-----	-----		-----	-----

SNAKE RIVER, OR, WA AND ID
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Intra Downbnd Upbound
Subtotal other chemicals and related products	25	21	-----	-----	-----	4	0 -----
3273 ammonia	18	18	-----	-----	-----	-----	-----
3276 metallic salts	7	4	-----	-----	-----	4	-----
3286 plastics	0	-----	-----	-----	-----	-----	0 -----
Total crude materials, inedible except fuels	926	-----	2	1	611	85	227 -----
Subtotal forest products, wood and chips	907	-----	2	1	610	82	212 -----
4161 wood chips	488	-----	-----	-----	343	-----	145 -----
4170 wood in the rough	272	-----	2	1	267	-----	2 -----
4189 lumber	0	-----	-----	-----	-----	-----	0 -----
4190 forest products nec	146	-----	-----	-----	-----	82	64 -----
Subtotal pulp and waste paper	12	-----	-----	-----	-----	-----	12 -----
4225 pulp & waste paper	12	-----	-----	-----	-----	-----	12 -----
Subtotal soil, sand, gravel, rock and stone	1	-----	-----	-----	1	-----	0 -----
4331 sand & gravel	1	-----	-----	-----	1	-----	0 -----
Subtotal non-ferrous ores and scrap	3	-----	-----	-----	-----	3	-----
4680 non-ferrous scrap	3	-----	-----	-----	-----	3	-----
Subtotal sulphur, clay and salt	3	-----	-----	-----	-----	-----	3 -----
4782 clay & refrac. mat.	3	-----	-----	-----	-----	-----	3 -----
Total primary manufactured goods	46	-----	-----	-----	-----	2	44 -----
Subtotal paper products	46	-----	-----	-----	-----	2	44 -----
5190 paper products nec	46	-----	-----	-----	-----	2	44 -----
Total food and farm products	3,511	-----	-----	-----	2,672	0	839 -----
Subtotal grain	3,479	-----	-----	-----	2,672	-----	807 -----
6241 wheat	3,338	-----	-----	-----	2,556	-----	782 -----
6344 corn	0	-----	-----	-----	-----	-----	0 -----
6443 barley & rye	140	-----	-----	-----	116	-----	24 -----
Subtotal oilseeds	0	-----	-----	-----	-----	-----	0 -----
6522 soybeans	0	-----	-----	-----	-----	-----	0 -----
Subtotal vegetable products	30	-----	-----	-----	-----	0	30 -----
6654 vegetables & prod.	30	-----	-----	-----	-----	0	30 -----
Subtotal processed grain and animal feed	1	-----	-----	-----	-----	0	1 -----
6747 grain mill products	1	-----	-----	-----	-----	0	1 -----
6781 hay & fodder	1	-----	-----	-----	-----	-----	1 -----
Subtotal other agricultural products	1	-----	-----	-----	-----	-----	1 -----
6899 farm products nec	1	-----	-----	-----	-----	-----	1 -----

SNAKE RIVER, OR, WA AND ID
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Internal						
		Inbound		Outbound		Through		Intra
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound
Total all manufactured equipment, machinery and products	12	-----	-----	-----	-----	10	2	-----
7110 machinery (not elec)	1	-----	-----	-----	-----	-----	-----	1 -----
7600 rubber & plastic pr.	0	-----	-----	-----	-----	0	0	-----
7800 empty containers	11	-----	-----	-----	-----	10	1	-----
7900 manufac. prod. nec	0	-----	-----	-----	-----	-----	0	-----
 Ton-miles (x1000)	 469,522	 21,090	 14	 6	 270,063	 14,732	 162,286	 1,332
Tons All Traffic (x1000)	5,929							
Ton-miles All Traffic (x1000)	469,522							

TOTAL WATERBORNE COMMERCE, COLUMBIA RIVER BASIN, OR, WA, AND ID

Freight Traffic, 1994
(thousand tons)

Locality	Foreign		Domestic				Total	Percent	Through*
	Imports	Exports	Coastwise		Internal				Traffic
			Receipts	Shipmnts	Receipts Shipmnts	Intraport			
CHINOOK CHANNEL, WA	-----	-----	-----	-----	1	-----	1	0.00	-----
CLATSKANIE RIVER, OR	-----	-----	-----	-----	-----	-----	-----	0.00	-----
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER	4,254	25,118	3,666	561	11,698	1,438	46,735	72.68	3,968
COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR	-----	-----	-----	-----	1,361	-----	1,361	2.12	7,884
COLUMBIA RIVER AND TRIBUTARIES ABOVE MCNARY LOCK	-----	-----	-----	-----	2,022	16	2,038	3.17	5,889
COLUMBIA RIVER AT BAKERS BAY, WA	-----	-----	-----	-----	10	-----	10	0.02	-----
COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES	-----	-----	76	-----	2,069	668	2,813	4.37	8,464
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS	-----	-----	-----	-----	-----	-----	-----	0.00	-----
COWLITZ RIVER, WA	-----	-----	-----	-----	0	-----	0	0.00	-----
DEEP RIVER, WA	-----	-----	-----	-----	-----	-----	-----	0.00	-----
ELOKOMIN SLOUGH, WA	-----	-----	-----	-----	-----	-----	-----	0.00	-----
GRAYS RIVER, WA	-----	-----	-----	-----	-----	-----	-----	0.00	-----
LAKE RIVER, WA	-----	-----	-----	-----	-----	5	5	0.01	-----
LEWIS RIVER, WA	-----	-----	-----	-----	-----	-----	-----	0.00	-----
MULTNOMAH CHANNEL, OR	-----	-----	-----	-----	1,360	-----	1,360	2.11	-----
OREGON SLOUGH (NORTH PORTLAND HARBOR), OR	505	2,828	-----	-----	396	-----	3,730	5.80	-----
SKAMOKAWA (STEAMBOAT) SLOUGH, WA	-----	-----	-----	-----	0	-----	0	0.00	-----
SKAMOKAWA CREEK, WA	-----	-----	-----	-----	-----	-----	-----	0.00	-----
SKIPANON CHANNEL, OR	-----	-----	-----	-----	36	-----	36	0.06	-----
SNAKE RIVER, OR, WA AND ID	-----	-----	-----	-----	4,707	10	4,717	7.33	1,212

TOTAL WATERBORNE COMMERCE, COLUMBIA RIVER BASIN, OR, WA, AND ID
Freight Traffic, 1994 - continued
(thousand tons)

Locality	Foreign		Domestic				Total	Percent	Through*
	Imports	Exports	Coastwise		Internal				Traffic
			Receipts	Shipmnts	Receipts Shipmnts	Intraport			
WESTPORT SLOUGH, OR	-----	-----	-----	-----	-----	-----	-----	0.00	-----
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER,*	-----	-----	-----	4	1,182	295	1,481	2.30	-----
YOUNGS BAY AND YOUNGS RIVER, OR	-----	-----	-----	-----	17	-----	17	0.03	-----
TOTAL (UNADJUSTED)	4,760	27,947	3,742	565	24,860	2,432	64,305	-----	27,418
PERCENT (UNADJUSTED)	7.40	43.46	5.82	0.88	38.66	3.78	-----	100.00	-----
NET VOLUME OF TONNAGE FOR THE BASIN**	4,760	27,947	3,742	565	13,064	2,432	52,509	-----	-----
PERCENT (ADJUSTED)	9.06	53.22	7.13	1.08	24.88	4.63	-----	100.00	-----

* Through traffic not credited as such to total tonnage for Basin, but credited to projects or rivers where shipped or received.

** Adjusted to net volume by excluding duplication of internal traffic moved between the separate waterways of the Basin.

COLUMBIA RIVER ENTRANCE, OR AND WA

Section Included: Columbia River at mouth, OR and WA. Controlling Depth: 56 feet left outside quarter, 58 feet left inside, 46 feet right inside, and 41 feet right outside at mlw. Sand Island range: 47 feet left outside, 54 feet left inside, 50 feet right inside, and 48 feet right outside at mlw. Project Depth: 55/48 feet.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	28,569	1990	38,472
1986	28,087	1991	37,000
1987	32,532	1992	38,174
1988	39,194	1993	37,459
1989	41,439	1994	37,065

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Through		Through		Total	Coastwise		Internal
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd	Through Upbound
Total, all commodities	37,065	3,927	27,837	833	110	4,359	3,742	565	52
Total coal	2	-----	2	-----	-----	-----	-----	-----	-----
1100 coal lignite	2	-----	2	-----	-----	-----	-----	-----	-----
Total petroleum and petroleum products	3,946	352	453	81	86	2,974	2,858	116	-----
Subtotal crude petroleum	328	257	0	-----	-----	70	70	-----	-----
2100 crude petroleum	328	257	0	-----	-----	70	70	-----	-----
Subtotal petroleum products	3,618	95	453	81	86	2,904	2,789	116	-----
2211 gasoline	1,397	17	-----	50	-----	1,330	1,293	36	-----
2330 distillate fuel oil	826	-----	0	30	-----	796	741	55	-----
2340 residual fuel oil	586	-----	1	-----	-----	585	570	15	-----
2350 lube oil & greases	116	0	4	-----	-----	112	112	-----	-----
2410 petro. jelly & waxes	1	-----	1	-----	-----	-----	-----	-----	-----
2429 naphtha & solvents	5	-----	0	-----	-----	5	-----	5	-----
2430 asphalt, tar & pitch	155	78	0	-----	-----	77	72	5	-----
2540 petroleum coke	533	-----	447	-----	86	-----	-----	-----	-----
2640 liquid natural gas	0	-----	0	-----	-----	-----	-----	-----	-----

COLUMBIA RIVER ENTRANCE, OR AND WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Through		Through		Total	Coastwise		Internal Through
		Upbound	Downbnd	Upbound	Downbnd		Through		
						Upbound	Downbnd	Upbound	
Total chemicals and related products	3,716	281	2,693	76	18	648	466	182	-----
Subtotal fertilizers	562	25	357	-----	-----	180	161	19	-----
3110 nitrogenous fert.	194	25	4	-----	-----	165	161	4	-----
3130 potassic fert.	351	-----	348	-----	-----	3	-----	3	-----
3190 fert. & mixes nec	17	0	5	-----	-----	11	-----	11	-----
Subtotal other chemicals and related products	3,154	256	2,336	76	18	469	305	163	-----
3211 acyclic hydrocarbons	0	-----	0	-----	-----	-----	-----	-----	-----
3212 benzene & toluene	62	27	0	-----	-----	34	34	-----	-----
3219 other hydrocarbons	1	0	1	-----	-----	-----	-----	-----	-----
3220 alcohols	157	37	5	76	0	38	12	26	-----
3230 carboxylic acids	11	0	11	-----	-----	-----	-----	-----	-----
3240 nitrogen func. comp.	6	0	6	-----	0	-----	-----	-----	-----
3250 organo-inorgan. comp	1	0	1	-----	-----	-----	-----	-----	-----
3260 organic comp. nec	3	0	3	-----	-----	-----	-----	-----	-----
3272 sulphuric acid	0	-----	0	-----	-----	-----	-----	-----	-----
3273 ammonia	238	-----	-----	-----	-----	238	238	-----	-----
3274 sodium hydroxide	149	0	-----	-----	15	134	-----	134	-----
3275 inorg. elem.,oxides, & halogen salts	154	138	15	-----	1	-----	-----	-----	-----
3276 metallic salts	2,264	40	2,216	-----	1	5	5	-----	-----
3279 inorganic chem. nec	1	0	0	-----	-----	-----	-----	-----	-----
3281 radioactive material	0	0	-----	-----	-----	-----	-----	-----	-----
3282 pigments & paints	2	0	1	-----	-----	-----	-----	-----	-----
3283 coloring mat. nec	0	0	0	-----	-----	-----	-----	-----	-----
3284 medicines	2	0	2	-----	-----	-----	-----	-----	-----
3285 perfumes & cleansers	20	2	18	-----	-----	-----	-----	-----	-----
3286 plastics	45	9	33	-----	-----	3	-----	3	-----
3291 pesticides	0	-----	0	-----	-----	-----	-----	-----	-----
3292 starches, gluten, glue	12	0	11	-----	-----	-----	-----	-----	-----
3293 explosives	0	0	0	-----	-----	-----	-----	-----	-----

COLUMBIA RIVER ENTRANCE, OR AND WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Total	Domestic		Internal
		Through		Through			Coastwise		
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd	
3297 chemical additives	9	-----	4	-----	-----	5	5	-----	-----
3298 wood & resin chem.	10	-----	1	-----	-----	9	9	-----	-----
3299 chem. products nec	5	1	5	-----	-----	-----	-----	-----	-----
Total crude materials, inedible except fuels	8,007	1,688	5,031	672	5	610	418	193	-----
Subtotal forest products, wood and chips	4,906	78	4,179	102	5	542	349	193	-----
4150 fuel wood	111	-----	9	102	0	-----	-----	-----	-----
4161 wood chips	945	0	625	-----	5	315	313	3	-----
4170 wood in the rough	3,041	6	2,984	-----	-----	51	36	15	-----
4189 lumber	808	71	561	-----	-----	175	-----	175	-----
4190 forest products nec	1	1	0	-----	-----	-----	-----	-----	-----
Subtotal pulp and waste paper	249	-----	249	-----	-----	-----	-----	-----	-----
4225 pulp & waste paper	249	-----	249	-----	-----	-----	-----	-----	-----
Subtotal soil, sand, gravel, rock and stone	595	0	24	570	-----	-----	-----	-----	-----
4310 building stone	0	0	0	-----	-----	-----	-----	-----	-----
4322 limestone	572	-----	2	570	-----	-----	-----	-----	-----
4323 gypsum	0	0	0	-----	-----	-----	-----	-----	-----
4331 sand & gravel	22	0	22	-----	-----	-----	-----	-----	-----
Subtotal iron ore and scrap	164	37	127	-----	-----	-----	-----	-----	-----
4420 iron & steel scrap	164	37	127	-----	-----	-----	-----	-----	-----
Subtotal marine shells	0	0	0	-----	-----	-----	-----	-----	-----
4515 marine shells	0	0	0	-----	-----	-----	-----	-----	-----
Subtotal non-ferrous ores and scrap	1,211	1,135	73	-----	-----	3	3	-----	-----
4630 copper ore	0	-----	0	-----	-----	-----	-----	-----	-----
4650 aluminum ore	1,121	1,121	0	-----	-----	-----	-----	-----	-----
4680 non-ferrous scrap	33	1	30	-----	-----	3	3	-----	-----
4690 non-ferrous ores nec	57	14	43	-----	-----	-----	-----	-----	-----
Subtotal sulphur, clay and salt	351	15	336	-----	-----	-----	-----	-----	-----
4782 clay & refrac. mat.	351	15	336	-----	-----	-----	-----	-----	-----

COLUMBIA RIVER ENTRANCE, OR AND WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		Internal Through Upbound
		Through		Through		Total	Coastwise	
		Upbound	Downbnd	Upbound	Downbnd		Through Upbound Downbnd	
Subtotal slag	1	-----	1	-----	-----	-----	-----	-----
4860 slag	1	-----	1	-----	-----	-----	-----	-----
Subtotal other non-metal. min.	529	422	42	-----	-----	66	66	-----
4900 non-metal. min. nec	529	422	42	-----	-----	66	66	-----
Total primary manufactured goods	2,098	944	1,090	4	0	60	-----	60
Subtotal paper products	800	6	751	4	-----	39	-----	39
5110 newsprint	358	-----	354	4	-----	-----	-----	-----
5120 paper & paperboard	394	4	389	-----	-----	-----	-----	-----
5190 paper products nec	48	1	8	-----	-----	39	-----	39
Subtotal lime, cement and glass	326	277	49	-----	-----	-----	-----	-----
5220 cement & concrete	267	267	0	-----	-----	-----	-----	-----
5240 glass & glass prod.	12	2	10	-----	-----	-----	-----	-----
5290 misc. mineral prod.	47	9	38	-----	-----	-----	-----	-----
Subtotal primary iron and steel products	641	585	45	-----	0	11	-----	11
5312 pig iron	157	155	1	-----	-----	-----	-----	-----
5315 ferro alloys	56	28	28	-----	-----	-----	-----	-----
5320 i&s primary forms	106	105	1	-----	-----	-----	-----	-----
5330 i&s plates & sheets	134	126	8	-----	-----	0	-----	0
5360 i&s bars & shapes	37	28	1	-----	-----	9	-----	9
5370 i&s pipe & tube	68	66	0	-----	-----	2	-----	2
5390 primary i&s nec	83	77	6	-----	0	-----	-----	-----
Subtotal primary non-ferrous metal products	135	39	95	-----	-----	1	-----	1
5421 copper	3	0	2	-----	-----	-----	-----	-----
5422 aluminum	87	6	81	-----	-----	-----	-----	-----
5429 smelted prod. nec	9	7	2	-----	-----	-----	-----	-----
5480 fab. metal products	37	26	10	-----	-----	1	-----	1

COLUMBIA RIVER ENTRANCE, OR AND WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Through		Through		Total	Coastwise		Internal Through Upbound
		Upbound	Downbnd	Upbound	Downbnd		Through Upbound	Downbnd	
Subtotal primary wood products	196	36	150	0	-----	9	-----	9	-----
5540 primary wood prod.	196	36	150	0	-----	9	-----	9	-----
Total food and farm products	18,528	130	18,332	0	0	66	-----	14	52
Subtotal fish	66	0	13	-----	0	52	-----	-----	52
6134 fish (not shellfish)	61	0	13	-----	0	48	-----	-----	48
6136 shellfish	5	0	0	-----	-----	5	-----	-----	5
Subtotal grain	16,870	2	16,855	-----	-----	14	-----	14	-----
6241 wheat	14,697	-----	14,684	-----	-----	14	-----	14	-----
6344 corn	1,857	-----	1,857	-----	-----	-----	-----	-----	-----
6442 rice	2	2	0	-----	-----	-----	-----	-----	-----
6443 barley & rye	224	-----	224	-----	-----	-----	-----	-----	-----
6445 oats	0	0	0	-----	-----	-----	-----	-----	-----
6447 sorghum grains	90	-----	90	-----	-----	-----	-----	-----	-----
Subtotal oilseeds	103	0	103	-----	-----	-----	-----	-----	-----
6522 soybeans	78	0	78	-----	-----	-----	-----	-----	-----
6590 oilseeds nec	25	0	25	-----	-----	-----	-----	-----	-----
Subtotal vegetable products	397	96	301	-----	-----	-----	-----	-----	-----
6653 vegetable oils	92	91	1	-----	-----	-----	-----	-----	-----
6654 vegetables & prod.	305	5	300	-----	-----	-----	-----	-----	-----
Subtotal processed grain and animal feed	819	5	814	-----	-----	-----	-----	-----	-----
6746 wheat flour	0	-----	0	-----	-----	-----	-----	-----	-----
6747 grain mill products	55	1	54	-----	-----	-----	-----	-----	-----
6781 hay & fodder	282	0	282	-----	-----	-----	-----	-----	-----
6782 animal feed, prep.	481	4	478	-----	-----	-----	-----	-----	-----
Subtotal other agricultural products	273	27	246	0	-----	-----	-----	-----	-----
6811 meat, fresh, frozen	20	0	20	-----	-----	-----	-----	-----	-----
6817 meat, prepared	5	0	5	-----	-----	-----	-----	-----	-----
6822 dairy products	8	0	8	-----	-----	-----	-----	-----	-----
6835 fish, prepared	2	1	1	0	-----	-----	-----	-----	-----
6838 tallow, animal oils	1	0	1	-----	-----	-----	-----	-----	-----

COLUMBIA RIVER ENTRANCE, OR AND WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Through		Through		Total	Coastwise		Internal Through
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd	
6839 animals & prod. nec	96	0	96	-----	-----	-----	-----	-----	-----
6856 bananas & plantains	0	0	0	-----	-----	-----	-----	-----	-----
6857 fruit & nuts nec	13	1	12	-----	-----	-----	-----	-----	-----
6858 fruit juices	22	9	13	-----	-----	-----	-----	-----	-----
6861 sugar	2	1	1	-----	-----	-----	-----	-----	-----
6871 coffee	1	1	0	-----	-----	-----	-----	-----	-----
6872 cocoa beans	4	4	-----	-----	-----	-----	-----	-----	-----
6885 alcoholic beverages	44	9	34	0	-----	-----	-----	-----	-----
6888 water & ice	2	0	2	-----	-----	-----	-----	-----	-----
6889 food products nec	35	1	35	-----	-----	-----	-----	-----	-----
6891 tobacco & products	3	-----	3	-----	-----	-----	-----	-----	-----
6893 cotton	5	-----	5	-----	-----	-----	-----	-----	-----
6894 natural fibers nec	0	0	-----	-----	-----	-----	-----	-----	-----
6899 farm products nec	10	0	10	-----	-----	-----	-----	-----	-----
Total all manufactured equipment, machinery and products	758	528	229	0	1	0	-----	0	-----
7110 machinery (not elec)	64	26	38	0	0	0	-----	0	-----
7120 electrical machinery	46	27	19	0	0	-----	-----	-----	-----
7210 vehicles & parts	474	378	96	-----	0	-----	-----	-----	-----
7220 aircraft & parts	0	-----	0	-----	-----	-----	-----	-----	-----
7230 ships & boats	2	0	1	-----	1	0	-----	0	-----
7300 ordnance & access.	0	0	0	-----	-----	-----	-----	-----	-----
7400 manufac. wood prod.	14	5	10	-----	-----	0	-----	0	-----
7500 textile products	35	13	22	0	0	-----	-----	-----	-----
7600 rubber & plastic pr.	33	20	13	-----	-----	-----	-----	-----	-----
7900 manufac. prod. nec	91	60	31	0	0	0	-----	0	-----
Total unknown or not elsewhere classified	10	4	6	0	-----	-----	-----	-----	-----
9900 unknown or nec	10	4	6	0	-----	-----	-----	-----	-----

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)

Section Included: Mouth to International Boundary, a distance of 745 miles. Controlling Depth: 38 feet or better between mouth of Columbia River and mouth of Willamette River; 38 feet to lower turning basin, Vancouver, WA; other channel depths range from 15 to 4 feet. Project Depth: 55/48 feet across entrance bar; 40 feet from mouth of Columbia River to mouth of Willamette River; 40 feet from mouth of Willamette River to Vancouver; Other Project Depths range from 27 to 7 feet.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	42,427	1990	51,438
1986	42,155	1991	50,446
1987	45,726	1992	51,641
1988	53,829	1993	51,243
1989	54,459	1994	50,912

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total, all commodities	32,706	1,279	13,794	2,648	14,042	107	96	726	14
Total coal	2	-----	-----	-----	2	-----	-----	-----	-----
1100 coal lignite	2	-----	-----	-----	2	-----	-----	-----	-----
Total petroleum and petroleum products	972	35	445	317	8	-----	86	81	-----
Subtotal crude petroleum	258	-----	-----	257	0	-----	-----	-----	-----
2100 crude petroleum	258	-----	-----	257	0	-----	-----	-----	-----
Subtotal petroleum products	714	35	445	60	7	-----	86	81	-----
2211 gasoline	67	-----	-----	17	-----	-----	-----	50	-----
2330 distillate fuel oil	31	-----	-----	-----	0	-----	-----	30	-----
2340 residual fuel oil	1	-----	-----	-----	1	-----	-----	-----	-----
2350 lube oil & greases	4	-----	0	0	4	-----	-----	-----	-----
2410 petro. jelly & waxes	1	-----	-----	-----	1	-----	-----	-----	-----
2429 naphtha & solvents	0	-----	-----	-----	0	-----	-----	-----	-----
2430 asphalt, tar & pitch	78	35	-----	43	0	-----	-----	-----	-----
2540 petroleum coke	533	-----	445	-----	1	-----	86	-----	-----
2640 liquid natural gas	0	-----	-----	-----	0	-----	-----	-----	-----

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through Upbound	Downbnd	Imports	Exports	Through Upbound	Downbnd
Total chemicals and related products	3,068	212	636	68	2,058	8	4	68	13
Subtotal fertilizers	382	22	272	3	85	-----	-----	-----	-----
3110 nitrogenous fert.	29	22	-----	3	4	-----	-----	-----	-----
3130 potassic fert.	348	-----	272	-----	76	-----	-----	-----	-----
3190 fert. & mixes nec	5	-----	-----	0	5	-----	-----	-----	-----
Subtotal other chemicals and related products	2,686	191	363	65	1,972	8	4	68	13
3211 acyclic hydrocarbons	0	-----	-----	-----	0	-----	-----	-----	-----
3212 benzene & toluene	27	27	-----	-----	0	-----	-----	-----	-----
3219 other hydrocarbons	1	-----	0	0	1	-----	-----	-----	-----
3220 alcohols	119	10	1	28	4	8	-----	68	0
3230 carboxylic acids	11	0	0	0	11	-----	-----	-----	-----
3240 nitrogen func. comp.	6	-----	0	0	6	-----	-----	-----	0
3250 organo-inorgan. comp	1	-----	0	0	1	-----	-----	-----	-----
3260 organic comp. nec	3	-----	-----	0	3	-----	-----	-----	-----
3272 sulphuric acid	0	-----	-----	-----	0	-----	-----	-----	-----
3274 sodium hydroxide	15	-----	-----	0	-----	-----	3	-----	11
3275 inorg. elem., oxides, & halogen salts	154	137	5	1	11	-----	0	-----	1
3276 metallic salts	2,258	17	356	23	1,860	-----	0	-----	1
3279 inorganic chem. nec	1	-----	-----	0	0	-----	-----	-----	-----
3281 radioactive material	0	-----	-----	0	-----	-----	-----	-----	-----
3282 pigments & paints	2	-----	0	0	1	-----	-----	-----	-----
3283 coloring mat. nec	0	-----	0	0	0	-----	-----	-----	-----
3284 medicines	2	-----	0	0	2	-----	-----	-----	-----
3285 perfumes & cleansers	20	-----	0	2	18	-----	-----	-----	-----
3286 plastics	42	-----	1	9	32	-----	-----	-----	-----
3291 pesticides	0	-----	0	-----	0	-----	-----	-----	-----
3292 starches, gluten, glue	12	-----	0	0	11	-----	-----	-----	-----
3293 explosives	0	-----	-----	0	0	-----	-----	-----	-----
3297 chemical additives	4	-----	0	-----	4	-----	-----	-----	-----

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
3298 wood & resin chem.	1	-----	0	-----	1	-----	-----	-----	-----
3299 chem. products nec	5	-----	0	1	4	-----	-----	-----	-----
Total crude materials, inedible except fuels	7,396	847	3,090	841	1,941	96	5	577	0
Subtotal forest products, wood and chips	4,364	33	2,911	45	1,268	96	5	7	0
4150 fuel wood	111	-----	-----	-----	9	96	-----	7	0
4161 wood chips	630	-----	259	0	366	-----	5	-----	-----
4170 wood in the rough	2,990	6	2,613	0	371	-----	-----	-----	-----
4189 lumber	633	27	40	44	522	-----	-----	-----	-----
4190 forest products nec	1	-----	0	1	0	-----	-----	-----	-----
Subtotal pulp and waste paper	249	-----	28	-----	221	-----	-----	-----	-----
4225 pulp & waste paper	249	-----	28	-----	221	-----	-----	-----	-----
Subtotal soil, sand, gravel, rock and stone	595	-----	6	0	19	-----	-----	570	-----
4310 building stone	0	-----	-----	0	0	-----	-----	-----	-----
4322 limestone	572	-----	-----	-----	2	-----	-----	570	-----
4323 gypsum	0	-----	0	0	0	-----	-----	-----	-----
4331 sand & gravel	22	-----	6	0	16	-----	-----	-----	-----
Subtotal iron ore and scrap	164	-----	0	37	127	-----	-----	-----	-----
4420 iron & steel scrap	164	-----	0	37	127	-----	-----	-----	-----
Subtotal marine shells	0	-----	0	0	0	-----	-----	-----	-----
4515 marine shells	0	-----	0	0	0	-----	-----	-----	-----
Subtotal non-ferrous ores and scrap	1,208	653	12	483	60	-----	-----	-----	-----
4630 copper ore	0	-----	-----	-----	0	-----	-----	-----	-----
4650 aluminum ore	1,121	646	-----	475	0	-----	-----	-----	-----
4680 non-ferrous scrap	30	1	1	-----	29	-----	-----	-----	-----
4690 non-ferrous ores nec	57	6	12	8	31	-----	-----	-----	-----
Subtotal sulphur, clay and salt	351	15	107	-----	229	-----	-----	-----	-----
4782 clay & refrac. mat.	351	15	107	-----	229	-----	-----	-----	-----
Subtotal slag	1	-----	-----	-----	1	-----	-----	-----	-----
4860 slag	1	-----	-----	-----	1	-----	-----	-----	-----

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Subtotal other non-metal. min.	464	146	26	276	16	-----	-----	-----	-----
4900 non-metal. min. nec	464	146	26	276	16	-----	-----	-----	-----
Total primary manufactured goods	2,038	158	331	786	760	4	-----	-----	0
Subtotal paper products	760	0	299	6	452	4	-----	-----	-----
5110 newsprint	358	-----	276	-----	78	4	-----	-----	-----
5120 paper & paperboard	394	-----	23	4	366	-----	-----	-----	-----
5190 paper products nec	9	0	0	1	7	-----	-----	-----	-----
Subtotal lime, cement and glass	326	0	0	277	48	-----	-----	-----	-----
5220 cement & concrete	267	-----	-----	267	0	-----	-----	-----	-----
5240 glass & glass prod.	12	-----	0	2	10	-----	-----	-----	-----
5290 misc. mineral prod.	47	0	0	9	38	-----	-----	-----	-----
Subtotal primary iron and steel products	631	127	28	458	17	-----	-----	-----	0
5312 pig iron	157	-----	-----	155	1	-----	-----	-----	-----
5315 ferro alloys	56	8	28	19	0	-----	-----	-----	-----
5320 i&s primary forms	106	11	-----	95	1	-----	-----	-----	-----
5330 i&s plates & sheets	134	53	-----	74	8	-----	-----	-----	-----
5360 i&s bars & shapes	29	17	0	11	1	-----	-----	-----	-----
5370 i&s pipe & tube	66	35	0	31	0	-----	-----	-----	-----
5390 primary i&s nec	83	3	0	74	6	-----	-----	-----	0
Subtotal primary non-ferrous metal products	135	4	0	35	95	-----	-----	-----	-----
5421 copper	3	-----	0	0	2	-----	-----	-----	-----
5422 aluminum	87	3	0	3	81	-----	-----	-----	-----
5429 smelted prod. nec	9	1	0	6	2	-----	-----	-----	-----
5480 fab. metal products	36	0	0	26	10	-----	-----	-----	-----
Subtotal primary wood products	187	27	3	9	148	0	-----	-----	-----
5540 primary wood prod.	187	27	3	9	148	0	-----	-----	-----

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total food and farm products	18,462	1	9,291	129	9,041	0	0	0	0
Subtotal fish	13	-----	1	0	12	-----	0	-----	0
6134 fish (not shellfish)	13	-----	1	0	12	-----	0	-----	0
6136 shellfish	0	-----	-----	0	0	-----	-----	-----	-----
Subtotal grain	16,856	-----	8,770	2	8,084	-----	-----	-----	-----
6241 wheat	14,684	-----	7,039	-----	7,644	-----	-----	-----	-----
6344 corn	1,857	-----	1,598	-----	259	-----	-----	-----	-----
6442 rice	2	-----	-----	2	0	-----	-----	-----	-----
6443 barley & rye	224	-----	58	-----	166	-----	-----	-----	-----
6445 oats	0	-----	-----	0	0	-----	-----	-----	-----
6447 sorghum grains	90	-----	75	-----	14	-----	-----	-----	-----
Subtotal oilseeds	103	-----	76	0	27	-----	-----	-----	-----
6522 soybeans	78	-----	56	0	21	-----	-----	-----	-----
6590 oilseeds nec	25	-----	19	0	6	-----	-----	-----	-----
Subtotal vegetable products	397	-----	5	96	296	-----	-----	-----	-----
6653 vegetable oils	92	-----	-----	91	1	-----	-----	-----	-----
6654 vegetables & prod.	305	-----	5	5	295	-----	-----	-----	-----
Subtotal processed grain and animal feed	819	-----	433	5	381	-----	-----	-----	-----
6746 wheat flour	0	-----	0	-----	0	-----	-----	-----	-----
6747 grain mill products	55	-----	2	1	52	-----	-----	-----	-----
6781 hay & fodder	282	-----	21	0	261	-----	-----	-----	-----
6782 animal feed, prep.	481	-----	410	4	68	-----	-----	-----	-----
Subtotal other agricultural products	273	1	6	27	240	0	-----	0	-----
6811 meat, fresh, frozen	20	0	0	0	20	-----	-----	-----	-----
6817 meat, prepared	5	-----	0	0	5	-----	-----	-----	-----
6822 dairy products	8	-----	0	0	8	-----	-----	-----	-----
6835 fish, prepared	2	-----	0	1	1	0	-----	-----	-----
6838 tallow, animal oils	1	-----	-----	0	1	-----	-----	-----	-----
6839 animals & prod. nec	96	0	2	0	95	-----	-----	-----	-----
6856 bananas & plantains	0	-----	-----	0	0	-----	-----	-----	-----
6857 fruit & nuts nec	13	-----	1	1	11	-----	-----	-----	-----
6858 fruit juices	22	0	0	9	13	-----	-----	-----	-----
6861 sugar	2	0	-----	1	1	-----	-----	-----	-----

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through Upbound	Downbnd	Imports	Exports	Through Upbound	Downbnd
6871 coffee	1	0		1	0				
6872 cocoa beans	4			4					
6885 alcoholic beverages	44	0	0	9	34			0	
6888 water & ice	2			0	2				
6889 food products nec	35	0	0	1	35				
6891 tobacco & products	3				3				
6893 cotton	5		2		3				
6894 natural fibers nec	.0			0					
6899 farm products nec	10		0	0	10				
Total all manufactured equipment, machinery and products	758	25	2	504	227	0	1	0	0
7110 machinery (not elec)	64	0	1	25	38		0	0	0
7120 electrical machinery	46	0	0	27	19	0			0
7210 vehicles & parts	474	22	0	356	96				0
7220 aircraft & parts	0		0		0				
7230 ships & boats	2	0	0	0	1		1		
7300 ordnance & access.	0		0	0	0				
7400 manufac. wood prod.	14	1	0	3	9				
7500 textile products	35	0	0	13	21			0	0
7600 rubber & plastic pr.	33	0	0	20	13				
7900 manufac. prod. nec	91	0	0	60	30			0	0
Total unknown or not elsewhere classified	10	1	0	2	6			0	
9900 unknown or nec	10	1	0	2	6			0	
Ton-miles Foreign & Canadian (x1000)	2,943,167	112,760	1,047,977	269,444	1,429,589	2,494	6,213	73,301	1,390

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	4,307	510	260	3,231	305
Total petroleum and petroleum products	2,974	51	12	2,808	104
Subtotal crude petroleum	70	-----	-----	70	-----
2100 crude petroleum	70	-----	-----	70	-----
Subtotal petroleum products	2,904	51	12	2,738	104
2211 gasoline	1,330	-----	4	1,293	32
2330 distillate fuel oil	796	27	8	714	47
2340 residual fuel oil	585	23	-----	547	15
2350 lube oil & greases	112	-----	-----	112	-----
2429 naphtha & solvents	5	-----	-----	-----	5
2430 asphalt, tar & pitch	77	-----	-----	72	5
Total chemicals and related products	648	45	94	421	88
Subtotal fertilizers	180	-----	19	161	-----
3110 nitrogenous fert.	165	-----	4	161	-----
3130 potassic fert.	3	-----	3	-----	-----
3190 fert. & mixes nec	11	-----	11	-----	-----
Subtotal other chemicals and related products	469	45	75	260	88
3212 benzene & toluene	34	34	-----	-----	-----
3220 alcohols	38	11	4	1	22
3273 ammonia	238	-----	-----	238	-----
3274 sodium hydroxide	134	-----	71	-----	63
3276 metallic salts	5	-----	-----	5	-----
3286 plastics	3	-----	-----	-----	3
3297 chemical additives	5	-----	-----	5	-----
3298 wood & resin chem.	9	-----	-----	9	-----
Total crude materials, inedible except fuels	610	415	133	3	60
Subtotal forest products, wood and chips	542	349	133	-----	60
4161 wood chips	315	313	-----	-----	3
4170 wood in the rough	51	36	7	-----	8
4189 lumber	175	-----	127	-----	49
Subtotal non-ferrous ores and scrap	3	-----	-----	3	-----
4680 non-ferrous scrap	3	-----	-----	3	-----
Subtotal other non-metal. min.	66	66	-----	-----	-----
4900 non-metal. min. nec	66	66	-----	-----	-----
Total primary manufactured goods	60	-----	7	-----	54
Subtotal paper products	39	-----	3	-----	36
5190 paper products nec	39	-----	3	-----	36
Subtotal primary iron and steel products	11	-----	1	-----	10
5330 i&s plates & sheets	0	-----	-----	-----	0
5360 i&s bars & shapes	9	-----	1	-----	8
5370 i&s pipe & tube	2	-----	-----	-----	2
Subtotal primary non-ferrous metal products	1	-----	1	-----	-----
5480 fab. metal products	1	-----	1	-----	-----

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Subtotal primary wood products	9	-----	1	-----	8
5540 primary wood prod.	9	-----	1	-----	8
Total food and farm products	14	-----	14	-----	-----
Subtotal grain	14	-----	14	-----	-----
6241 wheat	14	-----	14	-----	-----
Total all manufactured equipment, machinery and products	0	-----	-----	-----	0
7110 machinery (not elec)	0	-----	-----	-----	0
7230 ships & boats	0	-----	-----	-----	0
7400 manufac. wood prod.	0	-----	-----	-----	0
7900 manufac. prod. nec	0	-----	-----	-----	0
Ton-miles (x1000)	409,749		18,812		30,812
Coastwise		33,746		326,379	

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	13,899	1,039	2,300	337	1,676	2,696	2,408	920	2,525
Total petroleum and petroleum products	2,096	532	155	24	9	1,352	21	2	-----
Subtotal petroleum products	2,096	532	155	24	9	1,352	21	2	-----
2211 gasoline	924	23	-----	15	9	860	15	2	-----
2330 distillate fuel oil	809	316	6	6	-----	475	6	-----	-----
2340 residual fuel oil	363	194	149	3	0	17	-----	0	-----
Total chemicals and related products	433	214	20	35	50	17	0	63	33
Subtotal fertilizers	149	-----	-----	27	50	-----	-----	39	33
3110 nitrogenous fert.	149	-----	-----	27	50	-----	-----	39	33
Subtotal other chemicals and related products	284	214	20	8	0	17	0	24	-----
3273 ammonia	231	213	-----	8	-----	9	-----	-----	-----
3274 sodium hydroxide	43	-----	20	-----	-----	-----	-----	24	-----

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
3276 metallic salts	8		1			7			
3286 plastics	1	1			0		0		
Total crude materials, inedible except fuels	4,576	197	866	7	116	1,304	79	644	1,364
Subtotal forest products, wood and chips	2,976	118	857	1	0	82	64	561	1,292
4150 fuel wood	36	27	9						
4161 wood chips	2,071	92	578					517	884
4170 wood in the rough	721		270		0			43	408
4189 lumber	1						0		0
4190 forest products nec	148	0		1		82	64	2	
Subtotal pulp and waste paper	63		8	6	6		12	19	13
4225 pulp & waste paper	63		8	6	6		12	19	13
Subtotal soil, sand, gravel, rock and stone	1,531	78	1		110	1,219	0	64	59
4331 sand & gravel	1,531	78	1		110	1,219	0	64	59
Subtotal non-ferrous ores and scrap	3					3			
4680 non-ferrous scrap	3					3			
Subtotal sulphur, clay and salt	3						3		
4782 clay & refrac. mat.	3						3		
Total primary manufactured goods	653	5	6	271	311	2	44	13	1
Subtotal paper products	646	4	6	271	305	2	44	13	1
5120 paper & paperboard	599	4	6	271	304			13	1
5190 paper products nec	47				1	2	44		
Subtotal primary iron and steel products	0				0				0
5360 i&s bars & shapes	0				0				0

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)

Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal primary non-ferrous metal products	2	1	-----	-----	1	-----	-----	-----	-----
5480 fab. metal products	2	1	-----	-----	1	-----	-----	-----	-----
Subtotal primary wood products	4	-----	-----	-----	4	-----	-----	-----	-----
5540 primary wood prod.	4	-----	-----	-----	4	-----	-----	-----	-----
Total food and farm products	5,894	84	1,252	-----	1,189	12	2,261	8	1,089
Subtotal fish	52	41	-----	-----	-----	11	-----	-----	-----
6134 fish (not shellfish)	48	38	-----	-----	-----	10	-----	-----	-----
6136 shellfish	5	3	-----	-----	-----	2	-----	-----	-----
Subtotal grain	5,744	43	1,252	-----	1,123	-----	2,229	8	1,089
6241 wheat	5,584	43	1,192	-----	1,114	-----	2,146	8	1,081
6344 corn	5	-----	-----	-----	5	-----	0	-----	-----
6443 barley & rye	155	-----	60	-----	4	-----	83	-----	8
Subtotal oilseeds	0	-----	-----	-----	0	-----	0	-----	-----
6522 soybeans	0	-----	-----	-----	0	-----	0	-----	-----
Subtotal vegetable products	38	-----	-----	-----	8	0	30	-----	-----
6654 vegetables & prod.	38	-----	-----	-----	8	0	30	-----	-----
Subtotal processed grain and animal feed	39	-----	-----	-----	38	0	1	-----	-----
6747 grain mill products	3	-----	-----	-----	2	0	1	-----	-----
6781 hay & fodder	37	-----	-----	-----	36	-----	1	-----	-----
6782 animal feed, prep.	0	-----	-----	-----	0	-----	-----	-----	-----
Subtotal other agricultural products	20	-----	-----	-----	19	-----	1	-----	-----
6839 animals & prod. nec	18	-----	-----	-----	18	-----	-----	-----	-----
6857 fruit & nuts nec	1	-----	-----	-----	1	-----	-----	-----	-----
6858 fruit juices	1	-----	-----	-----	1	-----	-----	-----	-----
6899 farm products nec	1	-----	-----	-----	0	-----	1	-----	-----

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total all manufactured equipment, machinery and products	56	7	-----	-----	1	10	2	-----	37
7110 machinery (not elec)	1	-----	-----	-----	-----	-----	1	-----	-----
7600 rubber & plastic pr.	0	-----	-----	-----	0	0	0	-----	-----
7800 empty containers	55	7	-----	-----	0	10	1	-----	37
7900 manufac. prod. nec	0	-----	-----	-----	0	-----	0	-----	-----
Total waste and scrap nec	191	-----	-----	-----	1	-----	-----	190	1
8900 waste and scrap nec	191	-----	-----	-----	1	-----	-----	190	1
Ton-miles Internal (x1000)	2,120,054	113,838	464,733	23,039	225,117	337,736	533,965	67,910	353,717
Tons All Traffic (x1000)			50,912						
Ton-miles All Traffic (x1000)			5,472,971						

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR

Section Included: Columbia River from mouth to the mouth of Willamette River; Willamette River from mouth to Broadway Bridge at Portland, OR, a distance of 113 miles; Columbia River from mouth of Willamette River to Interstate Bridge, Vancouver, WA, a distance of 5 miles. Controlling Depth: Mouth of Columbia River to mouth of Willamette and up the Willamette to Broadway Bridge in Portland, 38 feet; in the reach of Columbia River from the mouth of Willamette River to the lower turning basin at Vancouver, WA, 38 feet. Project Depth: 40 feet in main channel from mouth of Columbia River to Broadway Bridge at Portland, OR; 40 feet in Columbia River from mouth of Willamette River to Railroad Bridge, Vancouver, WA; 35 feet from Railroad Bridge to Interstate Bridge, Vancouver, WA.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	42,604	1990	51,479
1986	42,315	1991	50,622
1987	45,662	1992	50,890
1988	53,694	1993	50,566
1989	54,756	1994	50,703

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Imports	Exports
				Upbound	Downbnd		
Total, all commodities	32,706	3,421	25,009	505	2,828	833	110
Total coal	2	-----	-----	-----	2	-----	-----
1100 coal lignite	2	-----	-----	-----	2	-----	-----
Total petroleum and petroleum products	972	287	446	65	7	81	86
Subtotal crude petroleum	258	192	-----	65	0	-----	-----
2100 crude petroleum	258	192	-----	65	0	-----	-----
Subtotal petroleum products	714	95	446	0	7	81	86
2211 gasoline	67	17	-----	-----	-----	50	-----
2330 distillate fuel oil	31	-----	-----	-----	0	30	-----
2340 residual fuel oil	1	-----	-----	-----	1	-----	-----
2350 lube oil & greases	4	-----	0	0	3	-----	-----
2410 petro. jelly & waxes	1	-----	0	-----	1	-----	-----
2429 naphtha & solvents	0	-----	-----	-----	0	-----	-----
2430 asphalt, tar & pitch	78	78	0	-----	0	-----	-----
2540 petroleum coke	533	-----	445	-----	1	-----	86
2640 liquid natural gas	0	-----	-----	-----	0	-----	-----
Total chemicals and related products	3,068	266	2,544	15	149	76	18
Subtotal fertilizers	382	25	351	0	6	-----	-----
3110 nitrogenous fert.	29	25	3	-----	1	-----	-----
3130 potassic fert.	348	-----	348	-----	-----	-----	-----
3190 fert. & mixes nec	5	-----	-----	0	5	-----	-----
Subtotal other chemicals and related products	2,685	241	2,193	15	143	76	18
3211 acyclic hydrocarbons	0	-----	0	-----	0	-----	-----

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Imports	Exports
				Upbound	Downbnd		
3212 benzene & toluene	27	27	-----	-----	0	-----	-----
3219 other hydrocarbons	1	-----	0	0	1	-----	-----
3220 alcohols	119	37	1	1	4	76	-----
3230 carboxylic acids	11	0	0	0	11	-----	-----
3240 nitrogen func. comp.	6	-----	0	0	6	-----	-----
3250 organo- inorgan. comp	1	-----	0	0	1	-----	-----
3260 organic comp. nec	3	0	0	0	3	-----	-----
3272 sulphuric acid	0	-----	-----	-----	0	-----	-----
3274 sodium hydroxide	15	-----	-----	0	-----	-----	15
3275 inorg. elem., oxides, & halogen salts	154	137	6	1	10	-----	1
3276 metallic salts	2,258	40	2,182	0	35	-----	1
3279 inorganic chem. nec	1	0	0	0	0	-----	-----
3281 radioactive material	0	-----	-----	0	-----	-----	-----
3282 pigments & paints	2	0	0	0	1	-----	-----
3283 coloring mat. nec	0	-----	0	0	0	-----	-----
3284 medicines	2	-----	0	0	2	-----	-----
3285 perfumes & cleansers	20	0	1	2	18	-----	-----
3286 plastics	42	0	2	8	31	-----	-----
3291 pesticides	0	-----	0	-----	0	-----	-----
3292 starches, gluten, glue	12	-----	0	0	11	-----	-----
3293 explosives	0	0	0	0	0	-----	-----
3297 chemical additives	4	-----	0	-----	4	-----	-----
3298 wood & resin chem.	1	-----	0	-----	1	-----	-----
3299 chem. products nec	5	0	0	1	4	-----	-----
Total crude materials, inedible except fuels	7,396	1,648	4,304	40	727	672	5
Subtotal forest products, wood and chips	4,364	76	3,693	3	486	102	5
4150 fuel wood	111	-----	0	-----	9	102	-----
4161 wood chips	630	0	624	-----	1	-----	5
4170 wood in the rough	2,990	6	2,885	0	99	-----	-----
4189 lumber	633	70	183	2	378	-----	-----
4190 forest products nec	1	0	0	1	0	-----	-----
Subtotal pulp and waste paper	249	-----	99	-----	150	-----	-----
4225 pulp & waste paper	249	-----	99	-----	150	-----	-----
Subtotal soil, sand, gravel, rock and stone	595	0	17	0	7	570	-----
4310 building stone	0	0	-----	0	0	-----	-----
4322 limestone	572	-----	0	-----	2	570	-----
4323 gypsum	0	-----	0	0	0	-----	-----
4331 sand & gravel	22	0	17	0	5	-----	-----
Subtotal iron ore and scrap	164	-----	111	37	16	-----	-----
4420 iron & steel scrap	164	-----	111	37	16	-----	-----
Subtotal marine shells	0	-----	0	0	0	-----	-----
4515 marine shells	0	-----	0	0	0	-----	-----
Subtotal non-ferrous ores and scrap	1,208	1,135	37	0	36	-----	-----
4630 copper ore	0	-----	-----	-----	0	-----	-----
4650 aluminum ore	1,121	1,121	0	0	0	-----	-----

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Imports	Exports
				Upbound	Downbnd		
4680 non-ferrous scrap	30	1	1	-----	29	-----	-----
4690 non-ferrous ores nec	57	14	36	-----	7	-----	-----
Subtotal sulphur, clay and salt	351	15	321	-----	15	-----	-----
4782 clay & refrac. mat.	351	15	321	-----	15	-----	-----
Subtotal slag	1	-----	-----	-----	1	-----	-----
4860 slag	1	-----	-----	-----	1	-----	-----
Subtotal other non-metal. min.	464	422	26	0	16	-----	-----
4900 non-metal. min. nec	464	422	26	0	16	-----	-----
Total primary manufactured goods	2,038	892	395	52	695	4	-----
Subtotal paper products	760	0	310	5	441	4	-----
5110 newsprint	358	-----	277	-----	77	4	-----
5120 paper & paperboard	394	0	33	4	357	-----	-----
5190 paper products nec	9	0	1	1	7	-----	-----
Subtotal lime, cement and glass	326	267	1	10	47	-----	-----
5220 cement & concrete	267	267	-----	-----	0	-----	-----
5240 glass & glass prod.	12	0	0	2	10	-----	-----
5290 misc. mineral prod.	47	1	1	8	37	-----	-----
Subtotal primary iron and steel products	631	581	28	4	17	-----	-----
5312 pig iron	157	155	0	-----	1	-----	-----
5315 ferro alloys	56	27	28	0	0	-----	-----
5320 i&s primary forms	106	105	0	-----	1	-----	-----
5330 i&s plates & sheets	134	126	0	1	8	-----	-----
5360 i&s bars & shapes	29	27	0	0	1	-----	-----
5370 i&s pipe & tube	66	63	0	2	0	-----	-----
5390 primary i&s nec	83	77	0	0	6	-----	-----
Subtotal primary non-ferrous metal products	135	10	29	30	66	-----	-----
5421 copper	3	0	0	0	2	-----	-----
5422 aluminum	87	6	29	0	52	-----	-----
5429 smelted prod. nec	9	3	0	4	2	-----	-----
5480 fab. metal products	36	1	0	25	10	-----	-----
Subtotal primary wood products	187	34	26	3	124	0	-----
5540 primary wood prod.	187	34	26	3	124	0	-----
Total food and farm products	18,462	99	17,305	31	1,027	0	0
Subtotal fish	13	0	1	0	12	-----	0
6134 fish (not shellfish)	13	-----	1	0	12	-----	0
6136 shellfish	0	0	-----	0	0	-----	-----
Subtotal grain	16,856	0	16,733	2	122	-----	-----
6241 wheat	14,684	-----	14,644	-----	39	-----	-----
6344 corn	1,857	-----	1,775	-----	82	-----	-----
6442 rice	2	0	-----	2	0	-----	-----
6443 barley & rye	224	-----	224	-----	-----	-----	-----
6445 oats	0	0	-----	-----	0	-----	-----
6447 sorghum grains	90	-----	90	-----	0	-----	-----

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Imports	Exports
				Upbound	Downbnd		
Subtotal oilseeds	103	-----	84	0	18	-----	-----
6522 soybeans	78	-----	65	0	13	-----	-----
6590 oilseeds nec	25	-----	19	0	6	-----	-----
Subtotal vegetable products	397	90	11	6	291	-----	-----
6653 vegetable oils	92	90	0	1	1	-----	-----
6654 vegetables & prod.	305	0	11	5	290	-----	-----
Subtotal processed grain and animal feed	819	4	464	1	350	-----	-----
6746 wheat flour	0	-----	0	-----	0	-----	-----
6747 grain mill products	55	0	3	1	51	-----	-----
6781 hay & fodder	282	-----	26	0	256	-----	-----
6782 animal feed, prep.	481	4	435	0	43	-----	-----
Subtotal other agricultural products	273	4	12	23	234	0	-----
6811 meat, fresh, frozen	20	0	1	-----	19	-----	-----
6817 meat, prepared	5	-----	0	0	5	-----	-----
6822 dairy products	8	0	0	0	8	-----	-----
6835 fish, prepared	2	-----	1	1	0	0	-----
6838 tallow, animal oils	1	-----	1	0	0	-----	-----
6839 animals & prod. nec	96	0	3	0	93	-----	-----
6856 bananas & plantains	0	-----	-----	0	0	-----	-----
6857 fruit & nuts nec	13	0	1	1	11	-----	-----
6858 fruit juices	22	2	1	7	13	-----	-----
6861 sugar	2	0	0	1	1	-----	-----
6871 coffee	1	1	0	0	0	-----	-----
6872 cocoa beans	4	-----	-----	4	-----	-----	-----
6885 alcoholic beverages	44	1	0	8	34	0	-----
6888 water & ice	2	-----	0	0	1	-----	-----
6889 food products nec	35	0	1	1	34	-----	-----
6891 tobacco & products	3	-----	-----	-----	3	-----	-----
6893 cotton	5	-----	3	-----	2	-----	-----
6894 natural fibers nec	0	-----	-----	0	-----	-----	-----
6899 farm products nec	10	0	1	0	10	-----	-----
Total all manufactured equipment, machinery and products	758	228	15	301	214	0	1
7110 machinery (not elec)	64	2	2	24	36	0	0
7120 electrical machinery	46	1	2	26	18	0	0
7210 vehicles & parts	474	212	8	166	88	-----	0
7220 aircraft & parts	0	-----	0	-----	0	-----	-----
7230 ships & boats	2	0	0	0	1	-----	1
7300 ordnance & access.	0	0	0	0	0	-----	-----
7400 manufac. wood prod.	14	2	1	3	9	-----	-----
7500 textile products	35	0	1	13	20	0	-----
7600 rubber & plastic pr.	33	0	1	19	12	-----	-----
7900 manufac. prod. nec	90	10	1	50	30	-----	-----
Total unknown or not elsewhere classified	10	2	0	2	6	0	-----
9900 unknown or nec	10	2	0	2	6	0	-----

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Imports	Exports
				Upbound	Downbnd		
Ton-miles (x1000) Foreign & Canadian	3,098,195	352,726	2,304,002	53,045	296,924	83,775	7,722

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	4,307	3,666	561	76	4
Total petroleum and petroleum products	2,974	2,858	116	-----	-----
Subtotal crude petroleum	70	70	-----	-----	-----
2100 crude petroleum	70	70	-----	-----	-----
Subtotal petroleum products	2,904	2,789	116	-----	-----
2211 gasoline	1,330	1,293	36	-----	-----
2330 distillate fuel oil	796	741	55	-----	-----
2340 residual fuel oil	585	570	15	-----	-----
2350 lube oil & greases	112	112	-----	-----	-----
2429 naphtha & solvents	5	-----	5	-----	-----
2430 asphalt, tar & pitch	77	72	5	-----	-----
Total chemicals and related products	648	466	182	-----	-----
Subtotal fertilizers	180	161	19	-----	-----
3110 nitrogenous fert.	165	161	4	-----	-----
3130 potassic fert.	3	-----	3	-----	-----
3190 fert. & mixes nec	11	-----	11	-----	-----
Subtotal other chemicals and related products	469	305	163	-----	-----
3212 benzene & toluene	34	34	-----	-----	-----
3220 alcohols	38	12	26	-----	-----
3273 ammonia	238	238	-----	-----	-----
3274 sodium hydroxide	134	-----	134	-----	-----
3276 metallic salts	5	5	-----	-----	-----
3286 plastics	3	-----	3	-----	-----
3297 chemical additives	5	5	-----	-----	-----
3298 wood & resin chem.	9	9	-----	-----	-----
Total crude materials, inedible except fuels	610	341	189	76	4
Subtotal forest products, wood and chips	542	273	189	76	4
4161 wood chips	315	267	3	46	-----
4170 wood in the rough	51	6	11	30	4
4189 lumber	175	-----	175	-----	-----
Subtotal non-ferrous ores and scrap	3	3	-----	-----	-----
4680 non-ferrous scrap	3	3	-----	-----	-----
Subtotal other non-metal. min.	66	66	-----	-----	-----
4900 non-metal. min. nec	66	66	-----	-----	-----

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total primary manufactured goods	60	-----	60	-----	-----
Subtotal paper products	39	-----	39	-----	-----
5190 paper products nec	39	-----	39	-----	-----
Subtotal primary iron and steel products	11	-----	11	-----	-----
5330 i&s plates & sheets	0	-----	0	-----	-----
5360 i&s bars & shapes	9	-----	9	-----	-----
5370 i&s pipe & tube	2	-----	2	-----	-----
Subtotal primary non-ferrous metal products	1	-----	1	-----	-----
5480 fab. metal products	1	-----	1	-----	-----
Subtotal primary wood products	9	-----	9	-----	-----
5540 primary wood prod.	9	-----	9	-----	-----
Total food and farm products	14	-----	14	-----	-----
Subtotal grain	14	-----	14	-----	-----
6241 wheat	14	-----	14	-----	-----
Total all manufactured equipment, machinery and products	0	-----	0	-----	-----
7110 machinery (not elec)	0	-----	0	-----	-----
7230 ships & boats	0	-----	0	-----	-----
7400 manufac. wood prod.	0	-----	0	-----	-----
7900 manufac. prod. nec	0	-----	0	-----	-----
Ton-miles (x1000)	437,144		51,610		475
Coastwise		376,984		8,075	

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	13,690	4,999	4,237	457	2,006	330	224	1,122	316
Total petroleum and petroleum products	2,395	21	-----	20	1,659	-----	-----	545	151
Subtotal petroleum products	2,395	21	-----	20	1,659	-----	-----	545	151
2211 gasoline	1,001	15	-----	15	865	-----	-----	107	-----
2330 distillate fuel oil	844	6	-----	4	772	-----	-----	60	2
2340 residual fuel oil	550	-----	-----	0	22	-----	-----	378	149

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total chemicals and related products	408	50	7	59	230	1	1	36	25
Subtotal fertilizers	127	50	7	31	-----	-----	-----	35	5
3110 nitrogenous fert.	127	50	7	31	-----	-----	-----	35	5
Subtotal other chemicals and related products	281	-----	-----	28	230	1	1	1	20
3220 alcohols	1	-----	-----	-----	-----	-----	-----	1	-----
3273 ammonia	223	-----	-----	-----	223	-----	-----	-----	-----
3274 sodium hydroxide	43	-----	-----	24	-----	-----	-----	-----	20
3276 metallic salts	8	-----	-----	-----	7	-----	-----	-----	1
3286 plastics	1	-----	-----	-----	-----	1	1	-----	-----
3292 starches, gluten, glue	4	-----	-----	4	-----	-----	-----	-----	-----
Total crude materials, inedible except fuels	4,174	1,218	1,771	366	112	298	67	224	117
Subtotal forest products, wood and chips	1,784	34	1,088	247	-----	166	64	145	39
4150 fuel wood	36	-----	9	-----	-----	27	-----	-----	-----
4161 wood chips	1,410	34	963	243	-----	57	-----	113	-----
4170 wood in the rough	190	0	117	2	-----	-----	-----	32	39
4189 lumber	1	-----	0	-----	-----	-----	0	-----	-----
4190 forest products nec	148	0	-----	2	-----	82	64	-----	-----
Subtotal pulp and waste paper	173	18	2	119	-----	-----	-----	16	19
4225 pulp & waste paper	173	18	2	119	-----	-----	-----	16	19
Subtotal soil, sand, gravel, rock and stone	2,211	1,166	681	-----	110	132	0	64	59
4331 sand & gravel	2,211	1,166	681	-----	110	132	0	64	59
Subtotal non-ferrous ores and scrap	3	-----	-----	-----	3	-----	-----	-----	-----
4680 non-ferrous scrap	3	-----	-----	-----	3	-----	-----	-----	-----
Subtotal sulphur, clay and salt	3	-----	-----	-----	-----	-----	3	-----	-----
4782 clay & refrac. mat.	3	-----	-----	-----	-----	-----	3	-----	-----

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total primary manufactured goods	787	304	135	13	4	3	50	272	6
Subtotal paper products	781	304	135	13	4	2	45	272	6
5120 paper & paperboard	734	304	135	13	4	-----	-----	272	6
5190 paper products nec	47	-----	-----	-----	-----	2	45	-----	-----
Subtotal primary iron and steel products	0	0	0	-----	-----	-----	-----	-----	-----
5360 i&s bars & shapes	0	0	0	-----	-----	-----	-----	-----	-----
Subtotal primary non-ferrous metal products	2	1	-----	-----	-----	1	1	-----	-----
5480 fab. metal products	2	1	-----	-----	-----	1	1	-----	-----
Subtotal primary wood products	4	-----	-----	-----	-----	-----	4	-----	-----
5540 primary wood prod.	4	-----	-----	-----	-----	-----	4	-----	-----
Total food and farm products	5,906	3,405	2,324	-----	-----	12	103	45	17
Subtotal fish	52	41	-----	-----	-----	12	-----	-----	-----
6134 fish (not shellfish)	48	38	-----	-----	-----	10	-----	-----	-----
6136 shellfish	5	3	-----	-----	-----	2	-----	-----	-----
Subtotal grain	5,756	3,365	2,324	-----	-----	-----	5	45	17
6241 wheat	5,596	3,278	2,259	-----	-----	-----	-----	45	14
6344 corn	5	-----	-----	-----	-----	-----	5	-----	-----
6443 barley & rye	155	87	65	-----	-----	-----	-----	-----	3
Subtotal oilseeds	0	-----	-----	-----	-----	-----	0	-----	-----
6522 soybeans	0	-----	-----	-----	-----	-----	0	-----	-----
Subtotal vegetable products	38	-----	-----	-----	-----	0	38	-----	-----
6654 vegetables & prod.	38	-----	-----	-----	-----	0	38	-----	-----
Subtotal processed grain and animal feed	39	-----	-----	-----	-----	0	39	-----	-----
6747 grain mill products	3	-----	-----	-----	-----	0	3	-----	-----
6781 hay & fodder	37	-----	-----	-----	-----	-----	37	-----	-----
6782 animal feed, prep.	0	-----	-----	-----	-----	-----	0	-----	-----

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal other agricultural products	20	-----	-----	-----	-----	-----	20	-----	-----
6839 animals & prod. nec	18	-----	-----	-----	-----	-----	18	-----	-----
6857 fruit & nuts nec	1	-----	-----	-----	-----	-----	1	-----	-----
6858 fruit juices	1	-----	-----	-----	-----	-----	1	-----	-----
6899 farm products nec	1	-----	-----	-----	-----	-----	1	-----	-----
Total all manufactured equipment, machinery and products	19	-----	-----	-----	-----	17	2	-----	-----
7110 machinery (not elec)	1	-----	-----	-----	-----	-----	1	-----	-----
7600 rubber & plastic pr.	0	-----	-----	-----	-----	0	0	-----	-----
7800 empty containers	18	-----	-----	-----	-----	17	1	-----	-----
7900 manufac. prod. nec	0	-----	-----	-----	-----	-----	0	-----	-----
Total waste and scrap nec	1	-----	-----	-----	-----	-----	1	-----	-----
8900 waste and scrap nec	1	-----	-----	-----	-----	-----	1	-----	-----
Ton-miles Internal (x1000)	247,987	73,879	82,414	24,888	24,179	4,020	2	26,361	12,244
Tons All Traffic (x1000)			50,703						
Ton-miles All Traffic (x1000)			3,783,357						

PORT OF ASTORIA, OR

Section Included: (Statistics for that section of the port with frontage on the Columbia River are also included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR, and statistics for portion of port with frontage on Youngs Bay are also included in statistics for Youngs Bay and Youngs River, OR) Controlling Depth: 38 feet in Columbia River and 6 feet in Youngs Bay. Project Depth: 40 feet in Columbia River and 10 feet in Youngs Bay.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	1,671	1990	966
1986	1,137	1991	660
1987	1,240	1992	721
1988	1,097	1993	412
1989	1,124	1994	1,354

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	1,215	3	1,110	96	6
Total chemicals and related products	29	-----	25	-----	4
Subtotal other chemicals and related products	29	-----	25	-----	4
3274 sodium hydroxide	3	-----	-----	-----	3
3275 inorg. elem., oxides, & halogen salts	0	-----	-----	-----	0
3276 metallic salts	25	-----	25	-----	0
Total crude materials, inedible except fuels	367	-----	273	92	2
Subtotal forest products, wood and chips	367	-----	273	92	2
4150 fuel wood	92	-----	-----	92	-----
4161 wood chips	41	-----	39	-----	2
4170 wood in the rough	233	-----	233	-----	-----
Subtotal non-ferrous ores and scrap	0	-----	0	-----	-----
4690 non-ferrous ores nec	0	-----	0	-----	-----
Total primary manufactured goods	4	0	-----	4	-----
Subtotal paper products	4	-----	-----	4	-----
5110 newsprint	4	-----	-----	4	-----
Subtotal primary iron and steel products	0	0	-----	-----	-----
5370 i&s pipe & tube	0	0	-----	-----	-----
Total food and farm products	812	-----	812	0	0
Subtotal fish	1	-----	1	-----	0
6134 fish (not shellfish)	1	-----	1	-----	0
Subtotal grain	811	-----	811	-----	-----
6241 wheat	751	-----	751	-----	-----
6344 corn	61	-----	61	-----	-----
Subtotal other agricultural products	0	-----	0	0	-----
6811 meat, fresh, frozen	0	-----	0	-----	-----
6822 dairy products	0	-----	0	-----	-----

PORT OF ASTORIA, OR
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
6835 fish, prepared	0	-----	0	0	-----
6857 fruit & nuts nec	0	-----	0	-----	-----
Total all manufactured equipment, machinery and products	2	2	0	-----	0
7110 machinery (not elec)	0	0	0	-----	0
7120 electrical machinery	0	-----	0	-----	-----
7210 vehicles & parts	2	2	0	-----	-----
Total unknown or not elsewhere classified	1	1	-----	-----	-----
9900 unknown or nec	1	1	-----	-----	-----

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	139	9	8	100	22
Total petroleum and petroleum products	66	9	8	47	3
Subtotal petroleum products	66	9	8	47	3
2330 distillate fuel oil	18	9	8	1	-----
2340 residual fuel oil	48	-----	-----	45	3
Total crude materials, inedible except fuels	24	-----	-----	13	11
Subtotal forest products, wood and chips	2	-----	-----	-----	2
4161 wood chips	2	-----	-----	-----	2
Subtotal pulp and waste paper	22	-----	-----	13	9
4225 pulp & waste paper	22	-----	-----	13	9
Total primary manufactured goods	8	-----	-----	-----	8
Subtotal paper products	8	-----	-----	-----	8
5120 paper & paperboard	8	-----	-----	-----	8
Total food and farm products	41	-----	-----	41	-----
Subtotal fish	41	-----	-----	41	-----
6134 fish (not shellfish)	38	-----	-----	38	-----
6136 shellfish	3	-----	-----	3	-----

PORTS OTHER THAN PORTLAND, ASTORIA, ST. HELENS, LONGVIEW, VANCOUVER AND KALAMA

Section Included: (Included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR) Ports included: Bradwood, Wauna, Beaver Point, Rainier and Prescott, OR and Knappton, WA.
Controlling Depth: 38 feet. Project Depth: 40 feet at low water in main channel.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	947	1990	875
1986	921	1991	883
1987	881	1992	987
1988	810	1993	945
1989	872	1994	901

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	901	205	4	384	309
Total petroleum and petroleum products	4	3	-----	1	-----
Subtotal petroleum products	4	3	-----	1	-----
2340 residual fuel oil	4	3	-----	1	-----
Total chemicals and related products	10	-----	3	8	-----
Subtotal fertilizers	10	-----	2	8	-----
3110 nitrogenous fert.	9	-----	1	8	-----
3190 fert. & mixes nec	1	-----	1	-----	-----
Subtotal other chemicals and related products	1	-----	1	-----	-----
3220 alcohols	1	-----	1	-----	-----
Total crude materials, inedible except fuels	602	202	-----	367	33
Subtotal forest products, wood and chips	558	202	-----	351	6
4150 fuel wood	9	-----	-----	9	-----
4161 wood chips	543	196	-----	342	6
4170 wood in the rough	6	6	-----	0	-----
4189 lumber	0	-----	-----	0	-----
Subtotal pulp and waste paper	43	-----	-----	17	27
4225 pulp & waste paper	43	-----	-----	17	27
Total primary manufactured goods	284	-----	1	7	276
Subtotal paper products	283	-----	-----	7	276
5120 paper & paperboard	283	-----	-----	7	276
Subtotal primary non-ferrous metal products	1	-----	1	-----	-----
5480 fab. metal products	1	-----	1	-----	-----

PORT OF LONGVIEW, WA

Section Included: (Included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR) Controlling Depth: 39 feet in channel and 39 feet in turning basin. Project Depth: 40 foot channel in Columbia River and 6,000 foot turning basin at low water.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	8,449	1990	8,681
1986	10,313	1991	7,806
1987	8,082	1992	6,309
1988	9,003	1993	5,476
1989	8,023	1994	6,442

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	5,139	544	4,505	3	86
Total petroleum and petroleum products	498	15	397	-----	86
Subtotal petroleum products	498	15	397	-----	86
2430 asphalt, tar & pitch	15	15	-----	-----	-----
2540 petroleum coke	483	-----	397	-----	86
Total chemicals and related products	591	27	563	-----	-----
Subtotal fertilizers	279	20	259	-----	-----
3110 nitrogenous fert.	20	20	-----	-----	-----
3130 potassic fert.	259	-----	259	-----	-----
Subtotal other chemicals and related products	312	8	304	-----	-----
3212 benzene & toluene	8	8	-----	-----	-----
3240 nitrogen func. comp.	0	-----	0	-----	-----
3275 inorg. elem., oxides, & halogen salts	4	0	4	-----	-----
3276 metallic salts	299	-----	299	-----	-----
3282 pigments & paints	0	-----	0	-----	-----
3285 perfumes & cleansers	0	-----	0	-----	-----
3286 plastics	0	-----	0	-----	-----
3297 chemical additives	0	-----	0	-----	-----
3298 wood & resin chem.	0	-----	0	-----	-----
3299 chem. products nec	0	-----	0	-----	-----
Total crude materials, inedible except fuels	3,114	490	2,621	3	-----
Subtotal forest products, wood and chips	2,518	19	2,496	3	-----
4150 fuel wood	3	-----	-----	3	-----
4161 wood chips	219	-----	219	-----	-----
4170 wood in the rough	2,250	6	2,244	-----	-----
4189 lumber	45	13	32	-----	-----
Subtotal pulp and waste paper	15	-----	15	-----	-----
4225 pulp & waste paper	15	-----	15	-----	-----
Subtotal non-ferrous ores and scrap	311	310	0	-----	-----
4650 aluminum ore	304	304	-----	-----	-----

PORT OF LONGVIEW, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity		Total	Foreign		Canadian	
			Imports	Exports	Imports	Exports
4680	non-ferrous scrap	0	-----	0	-----	-----
4690	non-ferrous ores nec	6	6	-----	-----	-----
Subtotal sulphur, clay and salt		108	15	93	-----	-----
4782	clay & refrac. mat.	108	15	93	-----	-----
Subtotal other non-metal. min.		163	146	17	-----	-----
4900	non-metal. min. nec	163	146	17	-----	-----
Total primary manufactured goods		311	12	299	-----	-----
Subtotal paper products		298	0	298	-----	-----
5110	newsprint	276	-----	276	-----	-----
5120	paper & paperboard	23	-----	23	-----	-----
5190	paper products nec	0	0	0	-----	-----
Subtotal lime, cement and glass		0	-----	0	-----	-----
5240	glass & glass prod.	0	-----	0	-----	-----
5290	misc. mineral prod.	0	-----	0	-----	-----
Subtotal primary iron and steel products		11	11	-----	-----	-----
5315	ferro alloys	8	8	-----	-----	-----
5330	i&s plates & sheets	1	1	-----	-----	-----
5360	i&s bars & shapes	1	1	-----	-----	-----
5370	i&s pipe & tube	1	1	-----	-----	-----
Subtotal primary non-ferrous metal products		1	1	0	-----	-----
5421	copper	0	-----	0	-----	-----
5422	aluminum	0	-----	0	-----	-----
5429	smelted prod. nec	1	1	-----	-----	-----
5480	fab. metal products	0	0	0	-----	-----
Subtotal primary wood products		0	0	0	-----	-----
5540	primary wood prod.	0	0	0	-----	-----
Total food and farm products		624	0	624	0	-----
Subtotal fish		0	-----	0	-----	-----
6134	fish (not shellfish)	0	-----	0	-----	-----
Subtotal grain		460	-----	460	-----	-----
6241	wheat	329	-----	329	-----	-----
6344	corn	131	-----	131	-----	-----
Subtotal vegetable products		0	-----	0	-----	-----
6654	vegetables & prod.	0	-----	0	-----	-----
Subtotal processed grain and animal feed		163	-----	163	-----	-----
6747	grain mill products	2	-----	2	-----	-----
6781	hay & fodder	2	-----	2	-----	-----
6782	animal feed, prep.	159	-----	159	-----	-----
Subtotal other agricultural products		1	0	1	0	-----
6811	meat, fresh, frozen	0	0	0	-----	-----
6835	fish, prepared	0	-----	0	0	-----
6839	animals & prod. nec	1	0	1	-----	-----
6858	fruit juices	0	0	-----	-----	-----
6861	sugar	0	0	-----	-----	-----
6871	coffee	0	0	-----	-----	-----
6885	alcoholic beverages	0	0	0	-----	-----
6889	food products nec	0	0	0	-----	-----

PORT OF LONGVIEW, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total all manufactured equipment, machinery and products	1	0	1	0	-----
7110 machinery (not elec)	0	0	0	-----	-----
7120 electrical machinery	0	0	0	0	-----
7210 vehicles & parts	0	0	0	-----	-----
7230 ships & boats	0	0	0	-----	-----
7400 manufac. wood prod.	0	-----	0	-----	-----
7500 textile products	0	0	0	-----	-----
7600 rubber & plastic pr.	0	0	0	-----	-----
7900 manufac. prod. nec	0	0	0	-----	-----
Total unknown or not elsewhere classified	0	-----	0	-----	-----
9900 unknown or nec	0	-----	0	-----	-----

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	1,303	157	164	950	21	11
Total petroleum and petroleum products	110	20	-----	89	-----	0
Subtotal petroleum products	110	20	-----	89	-----	0
2330 distillate fuel oil	0	-----	-----	0	-----	-----
2340 residual fuel oil	109	20	-----	89	-----	0
Total chemicals and related products	102	-----	82	20	-----	-----
Subtotal fertilizers	8	-----	8	-----	-----	-----
3110 nitrogenous fert.	3	-----	3	-----	-----	-----
3130 potassic fert.	3	-----	3	-----	-----	-----
3190 fert. & mixes nec	1	-----	1	-----	-----	-----
Subtotal other chemicals and related products	94	-----	74	20	-----	-----
3220 alcohols	3	-----	3	-----	-----	-----
3274 sodium hydroxide	91	-----	71	20	-----	-----
3276 metallic salts	1	-----	-----	1	-----	-----
Total crude materials, inedible except fuels	1,086	137	77	841	21	10
Subtotal forest products, wood and chips	1,020	71	77	841	21	10
4161 wood chips	839	71	-----	766	-----	2
4170 wood in the rough	111	-----	7	75	21	8
4189 lumber	70	-----	70	-----	-----	-----
Subtotal other non-metal. min.	66	66	-----	-----	-----	-----
4900 non-metal. min. nec	66	66	-----	-----	-----	-----

PORT OF LONGVIEW, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total primary manufactured goods	6	-----	6	-----	-----	-----
Subtotal paper products	3	-----	3	-----	-----	-----
5190 paper products nec	3	-----	3	-----	-----	-----
Subtotal primary iron and steel products	1	-----	1	-----	-----	-----
5360 i&s bars & shapes	1	-----	1	-----	-----	-----
Subtotal primary wood products	1	-----	1	-----	-----	-----
5540 primary wood prod.	1	-----	1	-----	-----	-----
Total food and farm products	0	-----	-----	0	-----	-----
Subtotal fish	0	-----	-----	0	-----	-----
6134 fish (not shellfish)	0	-----	-----	0	-----	-----

PORT OF KALAMA, WA

Section Included: (Included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR) Controlling Depth: 37 feet. Project Depth: 40 feet at low water.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	4,452	1990	6,255
1986	2,044	1991	5,881
1987	6,326	1992	6,676
1988	7,521	1993	6,501
1989	7,013	1994	5,351

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Domestic				
		Imports	Exports	Total	Coastwise	Internal		
						Receipts	Shipments	Intraport
Total, all commodities	5,351	23	4,290	1,038	34	996	5	3
Total petroleum and petroleum products	22	-----	18	4	-----	4	-----	-----
Subtotal petroleum products	22	-----	18	4	-----	4	-----	-----
2340 residual fuel oil	4	-----	-----	4	-----	4	-----	-----
2350 lube oil & greases	0	-----	0	-----	-----	-----	-----	-----
2540 petroleum coke	18	-----	18	-----	-----	-----	-----	-----

PORT OF KALAMA, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Domestic			
		Imports	Exports	Total	Coastwise	Internal	
						Receipts	Shipments Intraport
Total chemicals and related products	61	19	8	34	34	-----	-----
Subtotal fertilizers	5	-----	5	-----	-----	-----	-----
3130 potassic fert.	5	-----	5	-----	-----	-----	-----
Subtotal other chemicals and related products	56	19	2	34	34	-----	-----
3212 benzene & toluene	54	19	-----	34	34	-----	-----
3219 other hydrocarbons	0	-----	0	-----	-----	-----	-----
3220 alcohols	1	-----	1	-----	-----	-----	-----
3230 carboxylic acids	0	-----	0	-----	-----	-----	-----
3240 nitrogen func. comp.	0	-----	0	-----	-----	-----	-----
3250 organo- inorgan. comp	0	-----	0	-----	-----	-----	-----
3275 inorg. elem., oxides, & halogen salts	0	-----	0	-----	-----	-----	-----
3282 pigments & paints	0	-----	0	-----	-----	-----	-----
3283 coloring mat. nec	0	-----	0	-----	-----	-----	-----
3284 medicines	0	-----	0	-----	-----	-----	-----
3285 perfumes & cleansers	0	-----	0	-----	-----	-----	-----
3286 plastics	1	-----	1	-----	-----	-----	-----
3291 pesticides	0	-----	0	-----	-----	-----	-----
3292 starches, gluten, glue	0	-----	0	-----	-----	-----	-----
3297 chemical additives	0	-----	0	-----	-----	-----	-----
3299 chem. products nec	0	-----	0	-----	-----	-----	-----
Total crude materials, inedible except fuels	73	-----	73	-----	-----	-----	-----
Subtotal forest products, wood and chips	69	-----	69	-----	-----	-----	-----
4170 wood in the rough	69	-----	69	-----	-----	-----	-----
4190 forest products nec	0	-----	0	-----	-----	-----	-----
Subtotal pulp and waste paper	2	-----	2	-----	-----	-----	-----
4225 pulp & waste paper	2	-----	2	-----	-----	-----	-----
Subtotal soil, sand, gravel, rock and stone	0	-----	0	-----	-----	-----	-----
4323 gypsum	0	-----	0	-----	-----	-----	-----
4331 sand & gravel	0	-----	0	-----	-----	-----	-----
Subtotal Iron ore and scrap	0	-----	0	-----	-----	-----	-----
4420 iron & steel scrap	0	-----	0	-----	-----	-----	-----
Subtotal marine shells	0	-----	0	-----	-----	-----	-----
4515 marine shells	0	-----	0	-----	-----	-----	-----
Subtotal non-ferrous ores and scrap	0	-----	0	-----	-----	-----	-----
4680 non-ferrous scrap	0	-----	0	-----	-----	-----	-----

PORT OF KALAMA, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Total	Coastwise	Domestic		
		Imports	Exports			Internal		
						Receipts	Receipts	Shipments	Intraport
Subtotal sulphur, clay and salt	0	-----	0	-----	-----	-----	-----	-----
4782 clay & refrac. mat.	0	-----	0	-----	-----	-----	-----	-----
Subtotal other non-metal. min.	0	-----	0	-----	-----	-----	-----	-----
4900 non-metal. min. nec	0	-----	0	-----	-----	-----	-----	-----
Total primary manufactured goods	5	4	1	-----	-----	-----	-----	-----
Subtotal paper products	1	-----	1	-----	-----	-----	-----	-----
5120 paper & paperboard	0	-----	0	-----	-----	-----	-----	-----
5190 paper products nec	0	-----	0	-----	-----	-----	-----	-----
Subtotal lime, cement and glass	0	-----	0	-----	-----	-----	-----	-----
5240 glass & glass prod.	0	-----	0	-----	-----	-----	-----	-----
5290 misc. mineral prod.	0	-----	0	-----	-----	-----	-----	-----
Subtotal primary iron and steel products	4	4	0	-----	-----	-----	-----	-----
5330 i&s plates & sheets	0	0	-----	-----	-----	-----	-----	-----
5360 i&s bars & shapes	1	1	0	-----	-----	-----	-----	-----
5370 i&s pipe & tube	0	0	0	-----	-----	-----	-----	-----
5390 primary i&s nec	3	3	0	-----	-----	-----	-----	-----
Subtotal primary non-ferrous metal products	0	-----	0	-----	-----	-----	-----	-----
5421 copper	0	-----	0	-----	-----	-----	-----	-----
5422 aluminum	0	-----	0	-----	-----	-----	-----	-----
5429 smelted prod. nec	0	-----	0	-----	-----	-----	-----	-----
5480 fab. metal products	0	-----	0	-----	-----	-----	-----	-----
Subtotal primary wood products	0	-----	0	-----	-----	-----	-----	-----
5540 primary wood prod.	0	-----	0	-----	-----	-----	-----	-----
Total food and farm products	5,190	-----	4,190	999	-----	992	5	3
Subtotal grain	4,857	-----	3,858	999	-----	992	5	3
6241 wheat	3,258	-----	2,326	932	-----	924	5	3
6344 corn	1,398	-----	1,398	-----	-----	-----	-----	-----
6443 barley & rye	125	-----	58	68	-----	68	-----	-----
6447 sorghum grains	75	-----	75	-----	-----	-----	-----	-----
Subtotal oilseeds	76	-----	76	-----	-----	-----	-----	-----
6522 soybeans	56	-----	56	-----	-----	-----	-----	-----
6590 oilseeds nec	19	-----	19	-----	-----	-----	-----	-----
Subtotal vegetable products	0	-----	0	-----	-----	-----	-----	-----
6654 vegetables & prod.	0	-----	0	-----	-----	-----	-----	-----
Subtotal processed grain and animal feed	253	-----	253	-----	-----	-----	-----	-----
6746 wheat flour	0	-----	0	-----	-----	-----	-----	-----
6747 grain mill products	0	-----	0	-----	-----	-----	-----	-----
6781 hay & fodder	19	-----	19	-----	-----	-----	-----	-----

PORT OF KALAMA, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Domestic				
		Imports	Exports	Total	Coastwise	Internal		
						Receipts	Shipments	Intraport
6782 animal feed, prep.	235	-----	235	-----	-----	-----	-----	-----
Subtotal other agricultural products	4	-----	4	-----	-----	-----	-----	-----
6817 meat, prepared	0	-----	0	-----	-----	-----	-----	-----
6839 animals & prod. nec	1	-----	1	-----	-----	-----	-----	-----
6857 fruit & nuts nec	1	-----	1	-----	-----	-----	-----	-----
6889 food products nec	0	-----	0	-----	-----	-----	-----	-----
6893 cotton	2	-----	2	-----	-----	-----	-----	-----
Total all manufactured equipment, machinery and products	1	0	1	-----	-----	-----	-----	-----
7110 machinery (not elec)	0	-----	0	-----	-----	-----	-----	-----
7120 electrical machinery	0	-----	0	-----	-----	-----	-----	-----
7210 vehicles & parts	0	-----	0	-----	-----	-----	-----	-----
7220 aircraft & parts	0	-----	0	-----	-----	-----	-----	-----
7300 ordnance & access.	0	-----	0	-----	-----	-----	-----	-----
7400 manufac. wood prod.	0	-----	0	-----	-----	-----	-----	-----
7500 textile products	0	-----	0	-----	-----	-----	-----	-----
7600 rubber & plastic pr.	0	-----	0	-----	-----	-----	-----	-----
7900 manufac. prod. nec	0	0	0	-----	-----	-----	-----	-----
Total unknown or not elsewhere classified	0	-----	0	-----	-----	-----	-----	-----
9900 unknown or nec	0	-----	0	-----	-----	-----	-----	-----

MULTNOMAH CHANNEL, OR

Section Included: A side channel from the Willamette River near Portland, OR, to the Columbia River near St. Helens, OR, a distance of about 22 miles. Controlling Depth: 18 feet in a 300-foot channel at north end; 8 feet in a 250-foot channel at south end; 8 to 50 feet in remainder of channel. Project Depth: 25 feet deep and 5,000 feet long at the Columbia River end; 25 feet deep and 9,500 feet long at the Willamette River end.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	1,548	1990	1,740
1986	1,390	1991	1,550
1987	1,182	1992	1,405
1988	866	1993	1,570
1989	1,597	1994	1,360

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Internal		
		Inbound		Outbound
		Upbound	Downbnd	Downbnd
Total, all commodities	1,360	110	6	1,244
Total petroleum and petroleum products	6	-----	6	-----
Subtotal petroleum products	6	-----	6	-----
2340 residual fuel oil	6	-----	6	-----
Total crude materials, inedible except fuels	1,354	110	-----	1,244
Subtotal soil, sand, gravel, rock and stone	1,354	110	-----	1,244
4331 sand & gravel	1,354	110	-----	1,244
Total primary manufactured goods	0	0	-----	-----
Subtotal primary non-ferrous metal products	0	0	-----	-----
5480 fab. metal products	0	0	-----	-----
Ton-miles (x1000)	15,134	1,309	140	13,685
Tons All Traffic (x1000)	1,360			
Ton-miles All Traffic (x1000)	15,134			

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR

Section Included: From deep water in the Columbia River to a point above the Portland Union Stock Yards, a distance of nearly 4 miles. Controlling Depth: 10 feet. Project Depth: 20 feet.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	734	1990	2,101
1986	632	1991	2,182
1987	2,016	1992	2,794
1988	2,163	1993	3,089
1989	2,284	1994	3,730

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Domestic		
		Imports	Exports	Total	Internal	
					Inbound Upbound	Outbound Downbnd
Total, all commodities	3,729	505	2,828	396	294	102
Total coal	2	-----	2	-----	-----	-----
1100 coal lignite	2	-----	2	-----	-----	-----
Total petroleum and petroleum products	90	65	7	17	17	-----
Subtotal crude petroleum	66	65	0	-----	-----	-----
2100 crude petroleum	66	65	0	-----	-----	-----
Subtotal petroleum products	24	0	7	17	17	-----
2330 distillate fuel oil	0	-----	0	-----	-----	-----
2340 residual fuel oil	18	-----	1	17	17	-----
2350 lube oil & greases	3	0	3	-----	-----	-----
2410 petro. jelly & waxes	1	-----	1	-----	-----	-----
2429 naphtha & solvents	0	-----	0	-----	-----	-----
2430 asphalt, tar & pitch	0	-----	0	-----	-----	-----
2540 petroleum coke	1	-----	1	-----	-----	-----
2640 liquid natural gas	0	-----	0	-----	-----	-----
Total chemicals and related products	165	15	149	1	1	1
Subtotal fertilizers	6	0	6	-----	-----	-----
3110 nitrogenous fert.	1	-----	1	-----	-----	-----
3190 fert. & mixes nec	5	0	5	-----	-----	-----
Subtotal other chemicals and related products	159	15	143	1	1	1
3211 acyclic hydrocarbons	0	-----	0	-----	-----	-----
3212 benzene & toluene	0	-----	0	-----	-----	-----
3219 other hydrocarbons	1	0	1	-----	-----	-----
3220 alcohols	5	1	4	-----	-----	-----
3230 carboxylic acids	11	0	11	-----	-----	-----
3240 nitrogen func. comp.	6	0	6	-----	-----	-----
3250 organo- inorgan. comp	1	0	1	-----	-----	-----
3260 organic comp. nec	3	0	3	-----	-----	-----
3272 sulfuric acid	0	-----	0	-----	-----	-----

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Domestic		
		Imports	Exports	Total	Internal	
					Inbound Upbound	Outbound Downbnd
3274 sodium hydroxide	0	0	-----	-----	-----	-----
3275 inorg. elem.,oxides, & halogen salts	11	1	10	-----	-----	-----
3276 metallic salts	35	0	35	-----	-----	-----
3279 inorganic chem. nec	1	0	0	-----	-----	-----
3281 radioactive material	0	0	-----	-----	-----	-----
3282 pigments & paints	2	0	1	-----	-----	-----
3283 coloring mat. nec	0	0	0	-----	-----	-----
3284 medicines	2	0	2	-----	-----	-----
3285 perfumes & cleansers	20	2	18	-----	-----	-----
3286 plastics	41	8	31	1	1	1
3291 pesticides	0	-----	0	-----	-----	-----
3292 starches, gluten, glue	11	0	11	-----	-----	-----
3293 explosives	0	0	0	-----	-----	-----
3297 chemical additives	4	-----	4	-----	-----	-----
3298 wood & resin chem.	1	-----	1	-----	-----	-----
3299 chem. products nec	5	1	4	-----	-----	-----
Total crude materials, inedible except fuels	970	40	727	203	121	82
Subtotal forest products, wood and chips	635	3	486	146	64	82
4150 fuel wood	9	-----	9	-----	-----	-----
4161 wood chips	1	-----	1	-----	-----	-----
4170 wood in the rough	99	0	99	-----	-----	-----
4189 lumber	380	2	378	0	0	-----
4190 forest products nec	146	1	0	146	64	82
Subtotal pulp and waste paper	150	-----	150	-----	-----	-----
4225 pulp & waste paper	150	-----	150	-----	-----	-----
Subtotal soil, sand, gravel, rock and stone	61	0	7	54	54	-----
4310 building stone	0	0	0	-----	-----	-----
4322 limestone	2	-----	2	-----	-----	-----
4323 gypsum	0	0	0	-----	-----	-----
4331 sand & gravel	58	0	5	54	54	-----
Subtotal iron ore and scrap	54	37	16	-----	-----	-----
4420 iron & steel scrap	54	37	16	-----	-----	-----
Subtotal marine shells	0	0	0	-----	-----	-----
4515 marine shells	0	0	0	-----	-----	-----
Subtotal non-ferrous ores and scrap	36	0	36	-----	-----	-----
4630 copper ore	0	-----	0	-----	-----	-----
4650 aluminum ore	0	0	0	-----	-----	-----
4680 non-ferrous scrap	29	-----	29	-----	-----	-----
4690 non-ferrous ores nec	7	-----	7	-----	-----	-----
Subtotal sulphur, clay and salt	18	-----	15	3	3	-----
4782 clay & refrac. mat.	18	-----	15	3	3	-----
Subtotal slag	1	-----	1	-----	-----	-----
4860 slag	1	-----	1	-----	-----	-----
Subtotal other non-metal. min.	16	0	16	-----	-----	-----
4900 non-metal. min. nec	16	0	16	-----	-----	-----

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Foreign		Domestic		
		Imports	Exports	Total	Internal	
					Inbound Upbound	Outbound Downbnd
Total primary manufactured goods	800	52	695	53	50	3
Subtotal paper products	493	5	441	47	45	2
5110 newsprint	77	---	77	---	---	---
5120 paper & paperboard	361	4	357	---	---	---
5190 paper products nec	55	1	7	47	45	2
Subtotal lime, cement and glass	57	10	47	---	---	---
5220 cement & concrete	0	---	0	---	---	---
5240 glass & glass prod.	12	2	10	---	---	---
5290 misc. mineral prod.	45	8	37	---	---	---
Subtotal primary iron and steel products	21	4	17	---	---	---
5312 pig iron	1	---	1	---	---	---
5315 ferro alloys	0	0	0	---	---	---
5320 i&s primary forms	1	---	1	---	---	---
5330 i&s plates & sheets	9	1	8	---	---	---
5360 i&s bars & shapes	1	0	1	---	---	---
5370 i&s pipe & tube	3	2	0	---	---	---
5390 primary i&s nec	6	0	6	---	---	---
Subtotal primary non-ferrous metal products	97	30	66	1	1	1
5421 copper	3	0	2	---	---	---
5422 aluminum	52	0	52	---	---	---
5429 smelted prod. nec	6	4	2	---	---	---
5480 fab. metal products	36	25	10	1	1	1
Subtotal primary wood products	131	3	124	4	4	---
5540 primary wood prod.	131	3	124	4	4	---
Total food and farm products	1,161	31	1,027	103	103	0
Subtotal fish	12	0	12	---	---	---
6134 fish (not shellfish)	12	0	12	---	---	---
6136 shellfish	0	0	0	---	---	---
Subtotal grain	129	2	122	5	5	---
6241 wheat	39	---	39	---	---	---
6344 corn	88	---	82	5	5	---
6442 rice	2	2	0	---	---	---
6445 oats	0	---	0	---	---	---
6447 sorghum grains	0	---	0	---	---	---
Subtotal oilseeds	19	0	18	0	0	---
6522 soybeans	13	0	13	0	0	---
6590 oilseeds nec	6	0	6	---	---	---
Subtotal vegetable products	334	6	291	38	38	0
6653 vegetable oils	2	1	1	---	---	---
6654 vegetables & prod.	333	5	290	38	38	0
Subtotal processed grain and animal feed	390	1	350	39	39	0
6746 wheat flour	0	---	0	---	---	---
6747 grain mill products	54	1	51	3	3	0
6781 hay & fodder	293	0	256	37	37	---
6782 animal feed, prep.	43	0	43	0	0	---

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Foreign		Domestic		
		Imports	Exports	Total	Internal	
					Inbound Upbound	Outbound Downbnd
Subtotal other agricultural products	277	23	234	20	20	-----
6811 meat, fresh, frozen	19	-----	19	-----	-----	-----
6817 meat, prepared	5	0	5	-----	-----	-----
6822 dairy products	8	0	8	-----	-----	-----
6835 fish, prepared	1	1	0	-----	-----	-----
6838 tallow, animal oils	0	0	0	-----	-----	-----
6839 animals & prod. nec	112	0	93	18	18	-----
6856 bananas & plantains	0	0	0	-----	-----	-----
6857 fruit & nuts nec	12	1	11	1	1	-----
6858 fruit juices	20	7	13	1	1	-----
6861 sugar	2	1	1	-----	-----	-----
6871 coffee	0	0	0	-----	-----	-----
6872 cocoa beans	4	4	-----	-----	-----	-----
6885 alcoholic beverages	43	8	34	-----	-----	-----
6888 water & ice	2	0	1	-----	-----	-----
6889 food products nec	34	1	34	-----	-----	-----
6891 tobacco & products	3	-----	3	-----	-----	-----
6893 cotton	2	-----	2	-----	-----	-----
6894 natural fibers nec	0	0	-----	-----	-----	-----
6899 farm products nec	10	0	10	1	1	-----
Total all manufactured equipment, machinery and products	534	301	214	19	2	17
7110 machinery (not elec)	61	24	36	1	1	-----
7120 electrical machinery	44	26	18	-----	-----	-----
7210 vehicles & parts	254	166	88	-----	-----	-----
7220 aircraft & parts	0	-----	0	-----	-----	-----
7230 ships & boats	1	0	1	-----	-----	-----
7300 ordnance & access.	0	0	0	-----	-----	-----
7400 manufac. wood prod.	12	3	9	-----	-----	-----
7500 textile products	33	13	20	-----	-----	-----
7600 rubber & plastic pr.	32	19	12	0	0	0
7800 empty containers	18	-----	-----	18	1	17
7900 manufac. prod. nec	80	50	30	0	0	-----
Total waste and scrap nec	1	-----	-----	1	1	-----
8900 waste and scrap nec	1	-----	-----	1	1	-----
Total unknown or not elsewhere classified	8	2	6	-----	-----	-----
9900 unknown or nec	8	2	6	-----	-----	-----

PORT OF VANCOUVER, WA

Section Included: (Statistics for that section of the port below Interstate Bridge are also included in the statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR, and statistics for section above Interstate Bridge are also included in statistics for Columbia River from Vancouver, WA, to the Dalles, OR).
 Controlling Depth: 35 feet at low water for that section of the port below Railroad Bridge and 14 feet for that section of the port above Interstate Bridge. Project Depth: 40 feet at low water in the lower turning basin and 35 feet at low water in the upper turning basin.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	5,330	1990	7,073
1986	2,852	1991	6,485
1987	4,275	1992	6,839
1988	3,375	1993	7,380
1989	3,459	1994	6,281

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	4,609	708	3,889	8	4
Total petroleum and petroleum products	50	20	31	-----	-----
Subtotal petroleum products	50	20	31	-----	-----
2430 asphalt, tar & pitch	20	20	-----	-----	-----
2540 petroleum coke	31	-----	31	-----	-----
Total chemicals and related products	213	166	40	8	-----
Subtotal fertilizers	10	2	8	-----	-----
3110 nitrogenous fert.	2	2	-----	-----	-----
3130 potassic fert.	8	-----	8	-----	-----
Subtotal other chemicals and related products	203	164	32	8	-----
3220 alcohols	17	10	-----	8	-----
3230 carboxylic acids	0	0	-----	-----	-----
3275 inorg. elem., oxides, & halogen salts	137	137	-----	-----	-----
3276 metallic salts	49	17	32	-----	-----
3282 pigments & paints	0	-----	0	-----	-----
3286 plastics	0	-----	0	-----	-----
3292 starches, gluten, glue	0	-----	0	-----	-----
Total crude materials, inedible except fuels	484	357	123	-----	3
Subtotal forest products, wood and chips	91	14	73	-----	3
4161 wood chips	3	-----	-----	-----	3
4170 wood in the rough	66	0	66	-----	-----
4189 lumber	22	14	8	-----	-----
4190 forest products nec	0	-----	0	-----	-----
Subtotal pulp and waste paper	11	-----	11	-----	-----
4225 pulp & waste paper	11	-----	11	-----	-----
Subtotal soil, sand, gravel, rock and stone	6	-----	6	-----	-----
4331 sand & gravel	6	-----	6	-----	-----

PORT OF VANCOUVER, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal non-ferrous ores and scrap	355	343	12	-----	-----
4650 aluminum ore	342	342	-----	-----	-----
4680 non-ferrous scrap	1	1	-----	-----	-----
4690 non-ferrous ores nec	12	-----	12	-----	-----
Subtotal sulphur, clay and salt	14	-----	14	-----	-----
4782 clay & refrac. mat.	14	-----	14	-----	-----
Subtotal other non-metal. min.	8	-----	8	-----	-----
4900 non-metal. min. nec	8	-----	8	-----	-----
Total primary manufactured goods	173	143	31	0	-----
Subtotal paper products	0	-----	0	-----	-----
5120 paper & paperboard	0	-----	0	-----	-----
Subtotal lime, cement and glass	0	0	-----	-----	-----
5290 misc. mineral prod.	0	0	-----	-----	-----
Subtotal primary iron and steel products	140	112	28	-----	-----
5315 ferro alloys	28	-----	28	-----	-----
5320 i&s primary forms	11	11	-----	-----	-----
5330 i&s plates & sheets	51	51	-----	-----	-----
5360 i&s bars & shapes	15	15	-----	-----	-----
5370 i&s pipe & tube	34	34	-----	-----	-----
5390 primary i&s nec	1	1	-----	-----	-----
Subtotal primary non-ferrous metal products	4	4	-----	-----	-----
5422 aluminum	3	3	-----	-----	-----
5429 smelted prod. nec	0	0	-----	-----	-----
5480 fab. metal products	0	0	-----	-----	-----
Subtotal primary wood products	29	27	2	0	-----
5540 primary wood prod.	29	27	2	0	-----
Total food and farm products	3,665	0	3,664	-----	-----
Subtotal grain	3,642	-----	3,642	-----	-----
6241 wheat	3,633	-----	3,633	-----	-----
6344 corn	8	-----	8	-----	-----
Subtotal vegetable products	5	-----	5	-----	-----
6654 vegetables & prod.	5	-----	5	-----	-----
Subtotal processed grain and animal feed	17	-----	17	-----	-----
6781 hay & fodder	0	-----	0	-----	-----
6782 animal feed, prep.	17	-----	17	-----	-----
Subtotal other agricultural products	1	0	1	-----	-----
6811 meat, fresh, frozen	0	0	0	-----	-----
6857 fruit & nuts nec	0	-----	0	-----	-----
6858 fruit juices	0	-----	0	-----	-----
6871 coffee	0	0	-----	-----	-----
6885 alcoholic beverages	0	0	-----	-----	-----
6889 food products nec	0	0	0	-----	-----
6899 farm products nec	0	-----	0	-----	-----

PORT OF VANCOUVER, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total all manufactured equipment, machinery and products	24	23	0	-----	1
7110 machinery (not elec)	0	0	0	-----	-----
7120 electrical machinery	0	0	0	-----	-----
7210 vehicles & parts	20	20	0	-----	-----
7230 ships & boats	1	0	-----	-----	1
7400 manufac. wood prod.	1	1	0	-----	-----
7500 textile products	0	0	-----	-----	-----
7600 rubber & plastic pr.	0	0	0	-----	-----
7900 manufac. prod. nec	0	0	0	-----	-----
Total unknown or not elsewhere classified	0	0	0	-----	-----
9900 unknown or nec	0	0	0	-----	-----

Commodity	Total	Domestic				
		Coastwise		Internal		Intraport
		Receipts	Shipments	Receipts	Shipments	
Total, all commodities	1,672	30	27	1,495	119	2
Total petroleum and petroleum products	132	19	4	79	28	2
Subtotal petroleum products	132	19	4	79	28	2
2211 gasoline	49	-----	4	19	24	2
2330 distillate fuel oil	41	19	-----	18	4	-----
2340 residual fuel oil	42	-----	-----	42	-----	-----
Total chemicals and related products	38	11	9	18	-----	-----
Subtotal fertilizers	28	-----	9	18	-----	-----
3110 nitrogenous fert.	18	-----	-----	18	-----	-----
3190 fert. & mixes nec	9	-----	9	-----	-----	-----
Subtotal other chemicals and related products	11	11	-----	-----	-----	-----
3220 alcohols	11	11	-----	-----	-----	-----
Total crude materials, inedible except fuels	76	-----	-----	0	76	-----
Subtotal forest products, wood and chips	1	-----	-----	0	1	-----
4170 wood in the rough	0	-----	-----	0	-----	-----
4190 forest products nec	1	-----	-----	-----	1	-----
Subtotal soil, sand, gravel, rock and stone	75	-----	-----	-----	75	-----
4331 sand & gravel	75	-----	-----	-----	75	-----
Total primary manufactured goods	0	-----	-----	0	-----	-----
Subtotal primary iron and steel products	0	-----	-----	0	-----	-----
5360 i&s bars & shapes	0	-----	-----	0	-----	-----

PORT OF VANCOUVER, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments Intraport
Total food and farm products	1,425	-----	14	1,397	14 -----
Subtotal fish	0	-----	-----	0	-----
6134 fish (not shellfish)	0	-----	-----	0	-----
Subtotal grain	1,425	-----	14	1,397	14 -----
6241 wheat	1,425	-----	14	1,397	14 -----

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR

Section Included: Columbia River between Vancouver, WA, and the Dalles, OR, a distance of about 85 miles.
Controlling Depth: 15 feet between Vancouver and the Dalles. Project Depth: 27 feet.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	8,347	1990	9,735
1986	9,134	1991	10,210
1987	9,236	1992	10,671
1988	12,375	1993	10,843
1989	9,246	1994	11,277

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Coastwise
		Receipts
Total, all commodities	76	76
Total crude materials, inedible except fuels	76	76
Subtotal forest products, wood and chips	76	76
4161 wood chips	46	46
4170 wood in the rough	30	30
Ton-miles (x1000) Coastwise	918	918

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	11,201	458	592	190	829	2,024	6,440	175	492
Total petroleum and petroleum products	1,677	-----	-----	-----	-----	1,656	21	-----	-----
Subtotal petroleum products	1,677	-----	-----	-----	-----	1,656	21	-----	-----
2211 gasoline	895	-----	-----	-----	-----	880	15	-----	-----
2330 distillate fuel oil	782	-----	-----	-----	-----	776	6	-----	-----
Total chemicals and related products	348	24	5	-----	2	261	56	-----	-----
Subtotal fertilizers	93	24	5	-----	2	7	55	-----	-----
3110 nitrogenous fert.	93	24	5	-----	2	7	55	-----	-----
Subtotal other chemicals and related products	255	-----	-----	-----	-----	254	1	-----	-----
3273 ammonia	223	-----	-----	-----	-----	223	-----	-----	-----
3274 sodium hydroxide	24	-----	-----	-----	-----	24	-----	-----	-----
3276 metallic salts	7	-----	-----	-----	-----	7	-----	-----	-----
3286 plastics	1	-----	-----	-----	-----	1	1	-----	-----
Total crude materials, inedible except fuels	2,778	417	549	-----	399	87	659	175	492
Subtotal forest products, wood and chips	2,663	328	548	-----	391	84	644	175	492
4150 fuel wood	27	27	-----	-----	-----	-----	-----	-----	-----
4161 wood chips	1,834	300	269	-----	295	-----	577	162	231
4170 wood in the rough	654	2	279	-----	96	-----	2	14	262
4189 lumber	1	-----	-----	-----	0	-----	0	-----	-----
4190 forest products nec	148	-----	-----	-----	-----	84	64	-----	-----
Subtotal pulp and waste paper	30	10	-----	-----	8	-----	12	-----	-----
4225 pulp & waste paper	30	10	-----	-----	8	-----	12	-----	-----
Subtotal soil, sand, gravel, rock and stone	80	78	1	-----	-----	-----	0	-----	-----
4331 sand & gravel	80	78	1	-----	-----	-----	0	-----	-----
Subtotal non-ferrous ores and scrap	3	-----	-----	-----	-----	3	-----	-----	-----
4680 non-ferrous scrap	3	-----	-----	-----	-----	3	-----	-----	-----

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal sulphur, clay and salt	3	-----	-----	-----	-----	-----	3	-----	-----
4782 clay & refrac. mat.	3	-----	-----	-----	-----	-----	3	-----	-----
Total primary manufactured goods	375	17	-----	-----	306	3	50	-----	-----
Subtotal paper products	369	17	-----	-----	305	2	45	-----	-----
5120 paper & paperboard	322	17	-----	-----	305	-----	-----	-----	-----
5190 paper products nec	47	-----	-----	-----	-----	2	45	-----	-----
Subtotal primary iron and steel products	0	-----	-----	-----	0	-----	-----	-----	-----
5360 i&s bars & shapes	0	-----	-----	-----	0	-----	-----	-----	-----
Subtotal primary non-ferrous metal products	2	-----	-----	-----	1	1	1	-----	-----
5480 fab. metal products	2	-----	-----	-----	1	1	1	-----	-----
Subtotal primary wood products	4	-----	-----	-----	-----	-----	4	-----	-----
5540 primary wood prod.	4	-----	-----	-----	-----	-----	4	-----	-----
Total food and farm products	5,775	0	-----	-----	123	0	5,651	-----	-----
Subtotal fish	0	0	-----	-----	-----	-----	-----	-----	-----
6134 fish (not shellfish)	0	0	-----	-----	-----	-----	-----	-----	-----
6136 shellfish	0	0	-----	-----	-----	-----	-----	-----	-----
Subtotal grain	5,677	-----	-----	-----	123	-----	5,553	-----	-----
6241 wheat	5,520	-----	-----	-----	123	-----	5,396	-----	-----
6344 corn	5	-----	-----	-----	-----	-----	5	-----	-----
6443 barley & rye	152	-----	-----	-----	-----	-----	152	-----	-----
Subtotal oilseeds	0	-----	-----	-----	-----	-----	0	-----	-----
6522 soybeans	0	-----	-----	-----	-----	-----	0	-----	-----
Subtotal vegetable products	38	-----	-----	-----	-----	0	38	-----	-----
6654 vegetables & prod.	38	-----	-----	-----	-----	0	38	-----	-----

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal processed grain and animal feed	39	-----	-----	-----	-----	0	39	-----	-----
6747 grain mill products	3	-----	-----	-----	-----	0	3	-----	-----
6781 hay & fodder	37	-----	-----	-----	-----	-----	37	-----	-----
6782 animal feed, prep.	0	-----	-----	-----	-----	-----	0	-----	-----
Subtotal other agricultural products	20	-----	-----	-----	-----	-----	20	-----	-----
6839 animals & prod. nec	18	-----	-----	-----	-----	-----	18	-----	-----
6857 fruit & nuts nec	1	-----	-----	-----	-----	-----	1	-----	-----
6858 fruit juices	1	-----	-----	-----	-----	-----	1	-----	-----
6899 farm products nec	1	-----	-----	-----	-----	-----	1	-----	-----
Total all manufactured equipment, machinery and products	56	-----	37	-----	-----	17	2	-----	-----
7110 machinery (not elec)	1	-----	-----	-----	-----	-----	1	-----	-----
7600 rubber & plastic pr.	0	-----	-----	-----	-----	0	0	-----	-----
7800 empty containers	55	-----	37	-----	-----	17	1	-----	-----
7900 manufac. prod. nec	0	-----	-----	-----	-----	-----	0	-----	-----
Total waste and scrap nec	191	-----	1	190	-----	-----	1	-----	-----
8900 waste and scrap nec	191	-----	1	190	-----	-----	1	-----	-----
Ton-miles Internal (x1000)	825,800	5,590	31,311	15,732	37,279	172,021	547,401	403	16,063
Tons All Traffic (x1000)			11,277						
Ton-miles All Traffic (x1000)			826,718						

COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR TO McNARY LOCK AND DAM, OR AND WA

Section Included: Columbia River between the Dalles Dam and McNary Lock and Dam, a distance of about 91 miles.
 Controlling Depth: within the Dalles and John Day Pools, 14 feet. Project Depth: 14 feet at adopted low water.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	5,865	1990	7,392
1986	6,413	1991	7,665
1987	6,972	1992	7,580
1988	8,846	1993	8,469
1989	7,071	1994	9,246

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Internal			
		Inbound Upbound	Outbound Downbnd	Through Upbound	Through Downbnd
Total, all commodities	9,246	194	1,167	2,019	5,865
Total petroleum and petroleum products	1,677	-----	-----	1,656	21
Subtotal petroleum products	1,677	-----	-----	1,656	21
2211 gasoline	895	-----	-----	880	15
2330 distillate fuel oil	782	-----	-----	776	6
Total chemicals and related products	322	1	0	260	61
Subtotal fertilizers	67	-----	-----	7	61
3110 nitrogenous fert.	67	-----	-----	7	61
Subtotal other chemicals and related products	255	1	0	254	1
3273 ammonia	223	-----	-----	223	-----
3274 sodium hydroxide	24	-----	-----	24	-----
3276 metallic salts	7	-----	-----	7	-----
3286 plastics	1	1	0	-----	1
Total crude materials, inedible except fuels	1,295	-----	370	87	838
Subtotal forest products, wood and chips	1,276	-----	370	84	822
4161 wood chips	847	-----	359	-----	488
4170 wood in the rough	281	-----	11	-----	269
4189 lumber	0	-----	-----	-----	0
4190 forest products nec	148	-----	-----	84	64
Subtotal pulp and waste paper	12	-----	-----	-----	12
4225 pulp & waste paper	12	-----	-----	-----	12
Subtotal soil, sand, gravel, rock and stone	1	-----	-----	-----	1
4331 sand & gravel	1	-----	-----	-----	1
Subtotal non-ferrous ores and scrap	3	-----	-----	3	-----
4680 non-ferrous scrap	3	-----	-----	3	-----
Subtotal sulphur, clay and salt	3	-----	-----	-----	3
4782 clay & refrac. mat.	3	-----	-----	-----	3

COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR TO MCNARY LOCK AND DAM, OR AND

WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Internal			
		Inbound	Outbound	Through	
		Upbound	Downbnd	Upbound	Downbnd
Total primary manufactured goods	53	0	4	3	47
Subtotal paper products	47	-----	-----	2	45
5190 paper products nec	47	-----	-----	2	45
Subtotal primary non-ferrous metal products	1	0	-----	1	1
5480 fab. metal products	1	0	-----	1	1
Subtotal primary wood products	4	-----	4	-----	1
5540 primary wood prod.	4	-----	4	-----	1
Total food and farm products	5,651	-----	755	0	4,896
Subtotal grain	5,553	-----	715	-----	4,838
6241 wheat	5,396	-----	705	-----	4,692
6344 corn	5	-----	0	-----	5
6443 barley & rye	152	-----	11	-----	141
Subtotal oilseeds	0	-----	-----	-----	0
6522 soybeans	0	-----	-----	-----	0
Subtotal vegetable products	38	-----	2	0	36
6654 vegetables & prod.	38	-----	2	0	36
Subtotal processed grain and animal feed	39	-----	37	0	2
6747 grain mill products	3	-----	1	0	2
6781 hay & fodder	37	-----	36	-----	1
6782 animal feed, prep.	0	-----	0	-----	0
Subtotal other agricultural products	20	-----	0	-----	20
6839 animals & prod. nec	18	-----	-----	-----	18
6857 fruit & nuts nec	1	-----	-----	-----	1
6858 fruit juices	1	-----	-----	-----	1
6899 farm products nec	1	-----	0	-----	1
Total all manufactured equipment, machinery and products	56	4	38	13	2
7110 machinery (not elec)	1	-----	-----	-----	1
7600 rubber & plastic pr.	0	-----	0	0	0
7800 empty containers	55	4	37	13	1
7900 manufac. prod. nec	0	-----	0	-----	0
Total waste and scrap nec	191	190	1	-----	1
8900 waste and scrap nec	191	190	1	-----	1
Ton-miles (x1000)	860,627	15,144	72,803	197,879	574,801

Tons All Traffic (x1000)
Ton-miles All Traffic (x1000)

9,246
860,627

PORT OF PORTLAND, OR

Section Included: (Statistics for that section of Portland Harbor below Ross Island Bridge are also included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR, and statistics for section above Ross Island Bridge are also included in statistics for Willamette River above Portland and Yamhill River, OR). Controlling depth: 28 feet from mouth to Broadway Bridge; 20 feet at low water above Ross Island Bridge to Lake Oswego: 9 feet to Oregon City. Project Depth: 40 feet at low water below Broadway Bridge; 30 feet from Broadway Bridge to foot of Ross Island, maintained by port of Portland; 8 feet at low water above foot of Ross Island. Statistics for section of Oregon Slough (North Portland Harbor), OR, are also included Controlling Depth: 10 feet.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	21,845	1990	27,475
1986	25,590	1991	29,299
1987	26,813	1992	28,227
1988	31,971	1993	29,804
1989	30,030	1994	30,164

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	17,430	2,648	14,042	726	14
Total coal	2	-----	2	-----	-----
1100 coal lignite	2	-----	2	-----	-----
Total petroleum and petroleum products	406	317	8	81	-----
Subtotal crude petroleum	258	257	0	-----	-----
2100 crude petroleum	258	257	0	-----	-----
Subtotal petroleum products	148	60	7	81	-----
2211 gasoline	67	17	-----	50	-----
2330 distillate fuel oil	31	-----	0	30	-----
2340 residual fuel oil	1	-----	1	-----	-----
2350 lube oil & greases	4	0	4	-----	-----
2410 petro. jelly & waxes	1	-----	1	-----	-----
2429 naphtha & solvents	0	-----	0	-----	-----
2430 asphalt, tar & pitch	43	43	0	-----	-----
2540 petroleum coke	1	-----	1	-----	-----
2640 liquid natural gas	0	-----	0	-----	-----
Total chemicals and related products	2,208	68	2,058	68	13
Subtotal fertilizers	88	3	85	-----	-----
3110 nitrogenous fert.	7	3	4	-----	-----
3130 potassic fert.	76	-----	76	-----	-----
3190 fert. & mixes nec	5	0	5	-----	-----
Subtotal other chemicals and related products	2,119	65	1,972	68	13
3211 acyclic hydrocarbons	0	-----	0	-----	-----
3212 benzene & toluene	0	-----	0	-----	-----
3219 other hydrocarbons	1	0	1	-----	-----
3220 alcohols	100	28	4	68	0
3230 carboxylic acids	11	0	11	-----	-----

PORT OF PORTLAND, OR
Freight Traffic, 1994 - continued
(thousand tons)

Commodity		Total	Foreign		Canadian	
			Imports	Exports	Imports	Exports
3240	nitrogen func. comp.	6	0	6	-----	0
3250	organo- inorgan. comp	1	0	1	-----	-----
3260	organic comp. nec	3	0	3	-----	-----
3272	sulphuric acid	0	-----	0	-----	-----
3274	sodium hydroxide	11	0	-----	-----	11
3275	inorg. elem.,oxides, & halogen salts	13	1	11	-----	1
3276	metallic salts	1,884	23	1,860	-----	1
3279	inorganic chem. nec	1	0	0	-----	-----
3281	radioactive material	0	0	-----	-----	-----
3282	pigments & paints	2	0	1	-----	-----
3283	coloring mat. nec	0	0	0	-----	-----
3284	medicines	2	0	2	-----	-----
3285	perfumes & cleansers	20	2	18	-----	-----
3286	plastics	41	9	32	-----	-----
3291	pesticides	0	-----	0	-----	-----
3292	starches, gluten, glue	11	0	11	-----	-----
3293	explosives	0	0	0	-----	-----
3297	chemical additives	4	-----	4	-----	-----
3298	wood & resin chem.	1	-----	1	-----	-----
3299	chem. products nec	5	1	4	-----	-----
Total crude materials, inedible except fuels		3,359	841	1,941	577	0
Subtotal forest products, wood and chips		1,320	45	1,268	7	0
4150	fuel wood	15	-----	9	7	0
4161	wood chips	366	0	366	-----	-----
4170	wood in the rough	371	0	371	-----	-----
4189	lumber	566	44	522	-----	-----
4190	forest products nec	1	1	0	-----	-----
Subtotal pulp and waste paper		221	-----	221	-----	-----
4225	pulp & waste paper	221	-----	221	-----	-----
Subtotal soil, sand, gravel, rock and stone		589	0	19	570	-----
4310	building stone	0	0	0	-----	-----
4322	limestone	572	-----	2	570	-----
4323	gypsum	0	0	0	-----	-----
4331	sand & gravel	16	0	16	-----	-----
Subtotal iron ore and scrap		164	37	127	-----	-----
4420	iron & steel scrap	164	37	127	-----	-----
Subtotal marine shells		0	0	0	-----	-----
4515	marine shells	0	0	0	-----	-----
Subtotal non-ferrous ores and scrap		543	483	60	-----	-----
4630	copper ore	0	-----	0	-----	-----
4650	aluminum ore	475	475	0	-----	-----
4680	non-ferrous scrap	29	-----	29	-----	-----
4690	non-ferrous ores nec	39	8	31	-----	-----
Subtotal sulphur, clay and salt		229	-----	229	-----	-----
4782	clay & refrac. mat.	229	-----	229	-----	-----
Subtotal slag		1	-----	1	-----	-----
4860	slag	1	-----	1	-----	-----

PORT OF PORTLAND, OR
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal other non-metal. min.	292	276	16	-----	-----
4900 non-metal. min. nec	292	276	16	-----	-----
Total primary manufactured goods	1,546	786	760	-----	0
Subtotal paper products	457	6	452	-----	-----
5110 newsprint	78	-----	78	-----	-----
5120 paper & paperboard	371	4	366	-----	-----
5190 paper products nec	9	1	7	-----	-----
Subtotal lime, cement and glass	326	277	48	-----	-----
5220 cement & concrete	267	267	0	-----	-----
5240 glass & glass prod.	12	2	10	-----	-----
5290 misc. mineral prod.	47	9	38	-----	-----
Subtotal primary iron and steel products	475	458	17	-----	0
5312 pig iron	157	155	1	-----	-----
5315 ferro alloys	20	19	0	-----	-----
5320 i&s primary forms	95	95	1	-----	-----
5330 i&s plates & sheets	81	74	8	-----	-----
5360 i&s bars & shapes	12	11	1	-----	-----
5370 i&s pipe & tube	31	31	0	-----	-----
5390 primary i&s nec	79	74	6	-----	0
Subtotal primary non-ferrous metal products	130	35	95	-----	-----
5421 copper	3	0	2	-----	-----
5422 aluminum	84	3	81	-----	-----
5429 smelted prod. nec	8	6	2	-----	-----
5480 fab. metal products	36	26	10	-----	-----
Subtotal primary wood products	157	9	148	-----	-----
5540 primary wood prod.	157	9	148	-----	-----
Total food and farm products	9,170	129	9,041	0	0
Subtotal fish	12	0	12	-----	0
6134 fish (not shellfish)	12	0	12	-----	0
6136 shellfish	0	0	0	-----	-----
Subtotal grain	8,086	2	8,084	-----	-----
6241 wheat	7,644	-----	7,644	-----	-----
6344 corn	259	-----	259	-----	-----
6442 rice	2	2	0	-----	-----
6443 barley & rye	166	-----	166	-----	-----
6445 oats	0	0	0	-----	-----
6447 sorghum grains	14	-----	14	-----	-----
Subtotal oilseeds	27	0	27	-----	-----
6522 soybeans	21	0	21	-----	-----
6590 oilseeds nec	6	0	6	-----	-----
Subtotal vegetable products	393	96	296	-----	-----
6653 vegetable oils	92	91	1	-----	-----
6654 vegetables & prod.	300	5	295	-----	-----
Subtotal processed grain and animal feed	386	5	381	-----	-----
6746 wheat flour	0	-----	0	-----	-----
6747 grain mill products	53	1	52	-----	-----
6781 hay & fodder	261	0	261	-----	-----

PORT OF PORTLAND, OR
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
6782 animal feed, prep.	71	4	68	-----	-----
Subtotal other agricultural products	266	27	240	0	-----
6811 meat, fresh, frozen	20	0	20	-----	-----
6817 meat, prepared	5	0	5	-----	-----
6822 dairy products	8	0	8	-----	-----
6835 fish, prepared	2	1	1	-----	-----
6838 tallow, animal oils	1	0	1	-----	-----
6839 animals & prod. nec	95	0	95	-----	-----
6856 bananas & plantains	0	0	0	-----	-----
6857 fruit & nuts nec	12	1	11	-----	-----
6858 fruit juices	22	9	13	-----	-----
6861 sugar	2	1	1	-----	-----
6871 coffee	1	1	0	-----	-----
6872 cocoa beans	4	4	-----	-----	-----
6885 alcoholic beverages	43	9	34	0	-----
6888 water & ice	2	0	2	-----	-----
6889 food products nec	35	1	35	-----	-----
6891 tobacco & products	3	-----	3	-----	-----
6893 cotton	3	-----	3	-----	-----
6894 natural fibers nec	0	0	-----	-----	-----
6899 farm products nec	10	0	10	-----	-----
Total all manufactured equipment, machinery and products	731	504	227	0	0
7110 machinery (not elec)	63	25	38	0	0
7120 electrical machinery	45	27	19	-----	0
7210 vehicles & parts	451	356	96	-----	0
7220 aircraft & parts	0	-----	0	-----	-----
7230 ships & boats	1	0	1	-----	-----
7300 ordnance & access.	0	0	0	-----	-----
7400 manufac. wood prod.	13	3	9	-----	-----
7500 textile products	35	13	21	0	0
7600 rubber & plastic pr.	32	20	13	-----	-----
7900 manufac. prod. nec	90	60	30	0	0
Total unknown or not elsewhere classified	9	2	6	0	-----
9900 unknown or nec	9	2	6	0	-----

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	12,735	3,231	301	5,562	2,540	1,100
Total petroleum and petroleum products	5,285	2,808	104	33	2,024	316
Subtotal crude petroleum	70	70	-----	-----	-----	-----
2100 crude petroleum	70	70	-----	-----	-----	-----

PORT OF PORTLAND, OR
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Subtotal petroleum products	5,215	2,738	104	33	2,024	316
2211 gasoline	2,310	1,293	32	24	884	77
2330 distillate fuel oil	1,600	714	47	6	792	41
2340 residual fuel oil	1,111	547	15	3	349	198
2350 lube oil & greases	112	112				
2429 naphtha & solvents	5		5			
2430 asphalt, tar & pitch	77	72	5			
Total chemicals and related products	837	421	88	60	255	13
Subtotal fertilizers	231	161		59		12
3110 nitrogenous fert.	231	161		59		12
Subtotal other chemicals and related products	605	260	88	1	255	1
3220 alcohols	25	1	22			1
3273 ammonia	461	238			223	
3274 sodium hydroxide	83		63		20	
3276 metallic salts	13	5			8	
3286 plastics	4		3	1	1	
3292 starches, gluten, glue	4				4	
3297 chemical additives	5	5				
3298 wood & resin chem.	9	9				
Total crude materials, inedible except fuels	2,276	3	55	1,257	202	758
Subtotal forest products, wood and chips	225		55	64	82	23
4161 wood chips	3		3			
4170 wood in the rough	28		4	0	0	23
4189 lumber	49		49	0		
4190 forest products nec	146			64	82	
Subtotal pulp and waste paper	142			24	117	1
4225 pulp & waste paper	142			24	117	1
Subtotal soil, sand, gravel, rock and stone	1,900			1,166		734
4331 sand & gravel	1,900			1,166		734
Subtotal non-ferrous ores and scrap	6	3			3	
4680 non-ferrous scrap	6	3			3	
Subtotal sulphur, clay and salt	3			3		
4782 clay & refrac. mat.	3			3		

PORT OF PORTLAND, OR
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total primary manufactured goods	827	-----	54	759	13	1
Subtotal paper products	803	-----	36	754	12	1
5120 paper & paperboard	720	-----	-----	708	11	1
5190 paper products nec	83	-----	36	45	2	-----
Subtotal primary iron and steel products	10	-----	10	0	-----	-----
5330 i&s plates & sheets	0	-----	0	-----	-----	-----
5360 i&s bars & shapes	8	-----	8	0	-----	-----
5370 i&s pipe & tube	2	-----	2	-----	-----	-----
Subtotal primary non-ferrous metal products	2	-----	-----	1	1	-----
5480 fab. metal products	2	-----	-----	1	1	-----
Subtotal primary wood products	12	-----	8	4	-----	-----
5540 primary wood prod.	12	-----	8	4	-----	-----
Total food and farm products	3,490	-----	-----	3,450	28	12
Subtotal grain	3,392	-----	-----	3,352	28	12
6241 wheat	3,297	-----	-----	3,260	25	12
6344 corn	5	-----	-----	5	-----	-----
6443 barley & rye	90	-----	-----	87	3	-----
Subtotal oilseeds	0	-----	-----	0	-----	-----
6522 soybeans	0	-----	-----	0	-----	-----
Subtotal vegetable products	38	-----	-----	38	0	-----
6654 vegetables & prod.	38	-----	-----	38	0	-----
Subtotal processed grain and animal feed	39	-----	-----	39	0	-----
6747 grain mill products	3	-----	-----	3	0	-----
6781 hay & fodder	37	-----	-----	37	-----	-----
6782 animal feed, prep.	0	-----	-----	0	-----	-----
Subtotal other agricultural products	20	-----	-----	20	-----	-----
6839 animals & prod. nec	18	-----	-----	18	-----	-----
6857 fruit & nuts nec	1	-----	-----	1	-----	-----
6858 fruit juices	1	-----	-----	1	-----	-----
6899 farm products nec	1	-----	-----	1	-----	-----
Total all manufactured equipment, machinery and products	19	-----	0	2	17	-----
7110 machinery (not elec)	1	-----	0	1	-----	-----
7230 ships & boats	0	-----	0	-----	-----	-----
7400 manufac. wood prod.	0	-----	0	-----	-----	-----
7600 rubber & plastic pr.	0	-----	-----	0	0	-----
7800 empty containers	18	-----	-----	1	17	-----
7900 manufac. prod. nec	0	-----	0	0	-----	-----
Total waste and scrap nec	1	-----	-----	1	-----	-----
8900 waste and scrap nec	1	-----	-----	1	-----	-----

WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OR

Section Included: Willamette River from Portland to Harrisburg, OR, a distance of 159 miles, and Yamhill River from mouth to mile 4.0. Controlling Depth: 8 feet from Portland to Oregon City; 3 feet to Corvallis; 4 feet on Yamhill River from mouth to mile 4.0. Project Depth: Willamette River, 8 feet from Portland to Oregon City; 6 feet from Oregon City to mouth of Santiam River; 5 feet from mouth of Santiam River to Albany; 2.5 feet to 3.5 feet from Albany to Corvallis; no depths prescribed from Corvallis to Harrisburg; Yamhill River, 4 feet from mouth to mile 4.0.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	3,526	1990	2,224
1986	3,744	1991	1,575
1987	2,620	1992	1,448
1988	3,121	1993	1,375
1989	1,981	1994	1,481

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Domestic			
		Coastwise	Internal		
		Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd
Total, all commodities	1,481	4	114	1,068	163 133
Total petroleum and petroleum products	0	-----	0	-----	-----
Subtotal petroleum products	0	-----	0	-----	-----
2340 residual fuel oil	0	-----	0	-----	-----
Total chemicals and related products	4	-----	4	-----	-----
Subtotal other chemicals and related products	4	-----	4	-----	-----
3292 starches, gluten, glue	4	-----	4	-----	-----
Total crude materials, inedible except fuels	1,343	4	109	935	163 133
Subtotal forest products, wood and chips	204	4	-----	200	-----
4150 fuel wood	36	-----	-----	36	-----
4161 wood chips	146	-----	-----	146	-----
4170 wood in the rough	23	4	-----	19	-----
Subtotal pulp and waste paper	109	-----	109	-----	-----
4225 pulp & waste paper	109	-----	109	-----	-----
Subtotal soil, sand, gravel, rock and stone	1,030	-----	-----	734	163 133
4331 sand & gravel	1,030	-----	-----	734	163 133

WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OR
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Domestic			
		Coastwise	Internal		
		Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd
Total primary manufactured goods	134	-----	-----	134	-----
Subtotal paper products	134	-----	-----	134	-----
5120 paper & paperboard	134	-----	-----	134	-----
Ton-miles (x1000)	6,596		1,251		1,124
		104		2,560	1,557
Tons All Traffic (x1000)	1,481				
Ton-miles All Traffic (x1000)	6,596				

COOS BAY, OR

Section Included: From sea to Millington, a distance of 17 miles. (Same section and statistics apply to Port of Coos Bay). Controlling Depth: 39 feet in entrance channel; 30 feet in inner channel to mile 15; 20 feet in Isthmus Slough to Millington. Project Depth: 45/35 feet on bar and 35 feet from entrance to mile 15; turning basins of same depth opposite Coalbank Slough and at the city of North Bend: Anchorage basins 27 feet at mile 3.5 and near mile 7; a channel; 22 feet deep from Smith's Mill (mile 15) to Millington; mooring basin for small boats at Charleston, with a connecting channel 16 feet deep to deep water in Coos Bay.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	7,635	1990	6,069
1986	6,055	1991	5,523
1987	7,762	1992	4,458
1988	7,830	1993	5,413
1989	6,986	1994	3,744

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Domestic					
		Imports	Exports	Total	Coastwise		Internal		
					Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	3,744	47	3,486	212	71	70	12	16	44
Total petroleum and petroleum products	118	-----	17	101	70	-----	-----	-----	31
Subtotal petroleum products	118	-----	17	101	70	-----	-----	-----	31
2330 distillate fuel oil	11	-----	-----	11	11	-----	-----	-----	-----
2340 residual fuel oil	90	-----	-----	90	59	-----	-----	-----	31
2540 petroleum coke	17	-----	17	-----	-----	-----	-----	-----	-----
Total chemicals and related products	13	13	0	0	-----	0	-----	-----	-----
Subtotal other chemicals and related products	13	13	0	0	-----	0	-----	-----	-----
3240 nitrogen func. comp.	0	-----	0	-----	-----	-----	-----	-----	-----
3276 metallic salts	13	13	-----	-----	-----	-----	-----	-----	-----
3286 plastics	0	0	0	0	-----	0	-----	-----	-----
Total crude materials, inedible except fuels	3,540	33	3,434	73	-----	44	-----	16	13
Subtotal forest products, wood and chips	3,260	33	3,171	57	-----	44	-----	-----	13
4161 wood chips	2,415	-----	2,415	-----	-----	-----	-----	-----	-----

COOS BAY, OR
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Domestic					
		Imports	Exports	Total	Coastwise		Internal		Intraport
					Receipts	Shipments	Receipts	Shipments	
4170 wood in the rough	580	32	535	13	-----	1	-----	-----	13
4189 lumber	265	1	220	44	-----	44	-----	-----	-----
Subtotal pulp and waste paper	8	-----	8	-----	-----	-----	-----	-----	-----
4225 pulp & waste paper	8	-----	8	-----	-----	-----	-----	-----	-----
Subtotal soil, sand, gravel, rock and stone	16	-----	-----	16	-----	-----	-----	16	-----
4331 sand & gravel	16	-----	-----	16	-----	-----	-----	16	-----
Subtotal non-ferrous ores and scrap	256	-----	256	-----	-----	-----	-----	-----	-----
4630 copper ore	256	-----	256	-----	-----	-----	-----	-----	-----
Total primary manufactured goods	60	0	34	26	1	25	-----	-----	-----
Subtotal paper products	47	-----	31	16	-----	16	-----	-----	-----
5120 paper & paperboard	31	-----	31	-----	-----	-----	-----	-----	-----
5190 paper products nec	16	-----	-----	16	-----	16	-----	-----	-----
Subtotal lime, cement and glass	0	-----	-----	0	-----	0	-----	-----	-----
5240 glass & glass prod.	0	-----	-----	0	-----	0	-----	-----	-----
Subtotal primary iron and steel products	2	0	-----	2	-----	2	-----	-----	-----
5320 i&s primary forms	0	-----	-----	0	-----	0	-----	-----	-----
5330 i&s plates & sheets	0	0	-----	-----	-----	-----	-----	-----	-----
5360 i&s bars & shapes	2	-----	-----	2	-----	2	-----	-----	-----
5370 i&s pipe & tube	0	-----	-----	0	-----	0	-----	-----	-----
Subtotal primary non-ferrous metal products	0	-----	-----	0	-----	0	-----	-----	-----
5480 fab. metal products	0	-----	-----	0	-----	0	-----	-----	-----
Subtotal primary wood products	10	-----	3	7	1	7	-----	-----	-----
5540 primary wood prod.	10	-----	3	7	1	7	-----	-----	-----

COOS BAY, OR
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Domestic				
		Imports	Exports	Total	Coastwise		Internal	
					Receipts	Shipments	Receipts	Shipments Intraport
Total food and farm products	12	0	0	12	-----	-----	12	-----
Subtotal fish	12	-----	-----	12	-----	-----	12	-----
6134 fish (not shellfish)	8	-----	-----	8	-----	-----	8	-----
6136 shellfish	4	-----	-----	4	-----	-----	4	-----
Subtotal vegetable products	0	-----	0	-----	-----	-----	-----	-----
6654 vegetables & prod.	0	-----	0	-----	-----	-----	-----	-----
Subtotal other agricultural products	0	0	0	-----	-----	-----	-----	-----
6811 meat, fresh, frozen	0	-----	0	-----	-----	-----	-----	-----
6817 meat, prepared	0	-----	0	-----	-----	-----	-----	-----
6822 dairy products	0	0	-----	-----	-----	-----	-----	-----
6885 alcoholic beverages	0	-----	0	-----	-----	-----	-----	-----
6889 food products nec	0	-----	0	-----	-----	-----	-----	-----
Total all manufactured equipment, machinery and products	1	0	1	0	-----	0	-----	-----
7110 machinery (not elec)	0	-----	0	-----	-----	-----	-----	-----
7120 electrical machinery	0	-----	0	0	-----	0	-----	-----
7210 vehicles & parts	0	-----	-----	0	-----	0	-----	-----
7230 ships & boats	0	-----	-----	0	-----	0	-----	-----
7400 manufac. wood prod.	1	-----	1	0	-----	0	-----	-----
7500 textile products	0	0	0	-----	-----	-----	-----	-----
7900 manufac. prod. nec	0	0	-----	-----	-----	-----	-----	-----
Total unknown or not elsewhere classified	0	-----	0	-----	-----	-----	-----	-----
9900 unknown or nec	0	-----	0	-----	-----	-----	-----	-----

COLUMBIA RIVER SYSTEM

Section Included: Main channels and all navigable tributaries of the Columbia, Willamette and Snake Rivers.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	0	1990*	53,229
1986	0	1991	52,376
1987	0	1992	53,427
1988	0	1993	53,558
1989	0	1994	52,607

*Not compiled prior to 1990.

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	32,706	3,927	27,837	833	110
Total coal	2	-----	2	-----	-----
1100 coal lignite	2	-----	2	-----	-----
Total petroleum and petroleum products	972	352	453	81	86
Subtotal crude petroleum	258	257	0	-----	-----
2100 crude petroleum	258	257	0	-----	-----
Subtotal petroleum products	714	95	453	81	86
2211 gasoline	67	17	-----	50	-----
2330 distillate fuel oil	31	-----	0	30	-----
2340 residual fuel oil	1	-----	1	-----	-----
2350 lube oil & greases	4	0	4	-----	-----
2410 petro. jelly & waxes	1	-----	1	-----	-----
2429 naphtha & solvents	0	-----	0	-----	-----
2430 asphalt, tar & pitch	78	78	0	-----	-----
2540 petroleum coke	533	-----	447	-----	86
2640 liquid natural gas	0	-----	0	-----	-----
Total chemicals and related products	3,068	281	2,693	76	18
Subtotal fertilizers	382	25	357	-----	-----
3110 nitrogenous fert.	29	25	4	-----	-----
3130 potassic fert.	348	-----	348	-----	-----
3190 fert. & mixes nec	5	0	5	-----	-----
Subtotal other chemicals and related products	2,686	256	2,336	76	18
3211 acyclic hydrocarbons	0	-----	0	-----	-----
3212 benzene & toluene	27	27	0	-----	-----
3219 other hydrocarbons	1	0	1	-----	-----
3220 alcohols	119	37	5	76	0
3230 carboxylic acids	11	0	11	-----	-----
3240 nitrogen func. comp.	6	0	6	-----	0
3250 organo- inorgan. comp	1	0	1	-----	-----
3260 organic comp. nec	3	0	3	-----	-----
3272 sulphuric acid	0	-----	0	-----	-----
3274 sodium hydroxide	15	0	-----	-----	15

COLUMBIA RIVER SYSTEM
Freight Traffic, 1994 - continued
(thousand tons)

Commodity		Total	Foreign		Canadian	
			Imports	Exports	Imports	Exports
3275	inorg. elem., oxides, & halogen salts	154	138	15	-----	1
3276	metallic salts	2,258	40	2,216	-----	1
3279	inorganic chem. nec	1	0	0	-----	-----
3281	radioactive material	0	0	-----	-----	-----
3282	pigments & paints	2	0	1	-----	-----
3283	coloring mat. nec	0	0	0	-----	-----
3284	medicines	2	0	2	-----	-----
3285	perfumes & cleansers	20	2	18	-----	-----
3286	plastics	42	9	33	-----	-----
3291	pesticides	0	-----	0	-----	-----
3292	starches, gluten, glue	12	0	11	-----	-----
3293	explosives	0	0	0	-----	-----
3297	chemical additives	4	-----	4	-----	-----
3298	wood & resin chem.	1	-----	1	-----	-----
3299	chem. products nec	5	1	5	-----	-----
Total crude materials, inedible except fuels		7,396	1,688	5,031	672	5
Subtotal forest products, wood and chips		4,364	78	4,179	102	5
4150	fuel wood	111	-----	9	102	-----
4161	wood chips	630	0	625	-----	5
4170	wood in the rough	2,990	6	2,984	-----	-----
4189	lumber	633	71	561	-----	-----
4190	forest products nec	1	1	0	-----	-----
Subtotal pulp and waste paper		249	-----	249	-----	-----
4225	pulp & waste paper	249	-----	249	-----	-----
Subtotal soil, sand, gravel, rock and stone		595	0	24	570	-----
4310	building stone	0	0	0	-----	-----
4322	limestone	572	-----	2	570	-----
4323	gypsum	0	0	0	-----	-----
4331	sand & gravel	22	0	22	-----	-----
Subtotal iron ore and scrap		164	37	127	-----	-----
4420	iron & steel scrap	164	37	127	-----	-----
Subtotal marine shells		0	0	0	-----	-----
4515	marine shells	0	0	0	-----	-----
Subtotal non-ferrous ores and scrap		1,208	1,135	73	-----	-----
4630	copper ore	0	-----	0	-----	-----
4650	aluminum ore	1,121	1,121	0	-----	-----
4680	non-ferrous scrap	30	1	30	-----	-----
4690	non-ferrous ores nec	57	14	43	-----	-----
Subtotal sulphur, clay and salt		351	15	336	-----	-----
4782	clay & refrac. mat.	351	15	336	-----	-----
Subtotal slag		1	-----	1	-----	-----
4860	slag	1	-----	1	-----	-----
Subtotal other non-metal. min.		464	422	42	-----	-----
4900	non-metal. min. nec	464	422	42	-----	-----
Total primary manufactured goods		2,038	944	1,090	4	0
Subtotal paper products		760	6	751	4	-----
5110	newsprint	358	-----	354	4	-----

COLUMBIA RIVER SYSTEM
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
5120 paper & paperboard	394	4	389	-----	-----
5190 paper products nec	9	1	8	-----	-----
Subtotal lime, cement and glass	326	277	49	-----	-----
5220 cement & concrete	267	267	0	-----	-----
5240 glass & glass prod.	12	2	10	-----	-----
5290 misc. mineral prod.	47	9	38	-----	-----
Subtotal primary iron and steel products	631	585	45	-----	0
5312 pig iron	157	155	1	-----	-----
5315 ferro alloys	56	28	28	-----	-----
5320 i&s primary forms	106	105	1	-----	-----
5330 i&s plates & sheets	134	126	8	-----	-----
5360 i&s bars & shapes	29	28	1	-----	-----
5370 i&s pipe & tube	66	66	0	-----	-----
5390 primary i&s nec	83	77	6	-----	0
Subtotal primary non-ferrous metal products	135	39	95	-----	-----
5421 copper	3	0	2	-----	-----
5422 aluminum	87	6	81	-----	-----
5429 smelted prod. nec	9	7	2	-----	-----
5480 fab. metal products	36	26	10	-----	-----
Subtotal primary wood products	187	36	150	0	-----
5540 primary wood prod.	187	36	150	0	-----
Total food and farm products	18,462	130	18,332	0	0
Subtotal fish	13	0	13	-----	0
6134 fish (not shellfish)	13	0	13	-----	0
6136 shellfish	0	0	0	-----	-----
Subtotal grain	16,856	2	16,855	-----	-----
6241 wheat	14,684	-----	14,684	-----	-----
6344 corn	1,857	-----	1,857	-----	-----
6442 rice	2	2	0	-----	-----
6443 barley & rye	224	-----	224	-----	-----
6445 oats	0	0	0	-----	-----
6447 sorghum grains	90	-----	90	-----	-----
Subtotal oilseeds	103	0	103	-----	-----
6522 soybeans	78	0	78	-----	-----
6590 oilseeds nec	25	0	25	-----	-----
Subtotal vegetable products	397	96	301	-----	-----
6653 vegetable oils	92	91	1	-----	-----
6654 vegetables & prod.	305	5	300	-----	-----
Subtotal processed grain and animal feed	819	5	814	-----	-----
6746 wheat flour	0	-----	0	-----	-----
6747 grain mill products	55	1	54	-----	-----
6781 hay & fodder	282	0	282	-----	-----
6782 animal feed, prep.	481	4	478	-----	-----
Subtotal other agricultural products	273	27	246	0	-----
6811 meat, fresh, frozen	20	0	20	-----	-----
6817 meat, prepared	5	0	5	-----	-----
6822 dairy products	8	0	8	-----	-----
6835 fish, prepared	2	1	1	0	-----
6838 tallow, animal oils	1	0	1	-----	-----

COLUMBIA RIVER SYSTEM
Freight Traffic, 1994 - continued
(thousand tons)

Commodity		Total	Foreign		Canadian	
			Imports	Exports	Imports	Exports
6839	animals & prod. nec	96	0	96	-----	-----
6856	bananas & plantains	0	0	0	-----	-----
6857	fruit & nuts nec	13	1	12	-----	-----
6858	fruit juices	22	9	13	-----	-----
6861	sugar	2	1	1	-----	-----
6871	coffee	1	1	0	-----	-----
6872	cocoa beans	4	4	-----	-----	-----
6885	alcoholic beverages	44	9	34	0	-----
6888	water & ice	2	0	2	-----	-----
6889	food products nec	35	1	35	-----	-----
6891	tobacco & products	3	-----	3	-----	-----
6893	cotton	5	-----	5	-----	-----
6894	natural fibers nec	0	0	-----	-----	-----
6899	farm products nec	10	0	10	-----	-----
Total all manufactured equipment, machinery and products		758	528	229	0	1
7110	machinery (not elec)	64	26	38	0	0
7120	electrical machinery	46	27	19	0	0
7210	vehicles & parts	474	378	96	-----	0
7220	aircraft & parts	0	-----	0	-----	-----
7230	ships & boats	2	0	1	-----	1
7300	ordnance & access.	0	0	0	-----	-----
7400	manufac. wood prod.	14	5	10	-----	-----
7500	textile products	35	13	22	0	0
7600	rubber & plastic pr.	33	20	13	-----	-----
7900	manufac. prod. nec	91	60	31	0	0
Total unknown or not elsewhere classified		10	4	6	0	-----
9900	unknown or nec	10	4	6	0	-----
Ton-miles (x1000)		1,324,503	1,171,337		6,361	
Foreign & Canadian			136,328		10,477	

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Downbnd	Outbound Upbound	Intra Upbound	Intra Downbnd
Total, all commodities	19,901	3,742	565	16	83	9,696	5,800
Total petroleum and petroleum products	5,385	2,858	116	-----	-----	2,250	161
Subtotal crude petroleum	70	70	-----	-----	-----	-----	-----
2100 crude petroleum	70	70	-----	-----	-----	-----	-----
Subtotal petroleum products	5,315	2,789	116	-----	-----	2,250	161
2211 gasoline	2,332	1,293	36	-----	-----	1,003	-----

COLUMBIA RIVER SYSTEM
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Downbnd	Outbound Upbound	Intra Upbound	Downbnd
2330 distillate fuel oil	1,655	741	55	-----	-----	852	6
2340 residual fuel oil	1,135	570	15	-----	-----	395	155
2350 lube oil & greases	112	112	-----	-----	-----	-----	-----
2429 naphtha & solvents	5	-----	5	-----	-----	-----	-----
2430 asphalt, tar & pitch	77	72	5	-----	-----	-----	-----
Total chemicals and related products	1,100	466	182	-----	-----	397	54
Subtotal fertilizers	342	161	19	-----	-----	128	34
3110 nitrogenous fert.	326	161	4	-----	-----	128	33
3130 potassic fert.	3	-----	3	-----	-----	-----	-----
3190 fert. & mixes nec	13	-----	11	-----	-----	1	1
Subtotal other chemicals and related products	758	305	163	-----	-----	269	20
3212 benzene & toluene	34	34	-----	-----	-----	-----	-----
3220 alcohols	40	12	26	-----	-----	1	-----
3273 ammonia	469	238	-----	-----	-----	231	-----
3274 sodium hydroxide	178	-----	134	-----	-----	24	20
3276 metallic salts	13	5	-----	-----	-----	7	1
3286 plastics	4	-----	3	-----	-----	1	-----
3292 starches, gluten, glue	4	-----	-----	-----	-----	4	-----
3297 chemical additives	5	5	-----	-----	-----	-----	-----
3298 wood & resin chem.	9	9	-----	-----	-----	-----	-----
Total crude materials, inedible except fuels	6,314	418	193	16	-----	2,625	3,063
Subtotal forest products, wood and chips	3,544	349	193	-----	-----	832	2,170
4150 fuel wood	36	-----	-----	-----	-----	27	9
4161 wood chips	2,386	313	3	-----	-----	608	1,463
4170 wood in the rough	798	36	15	-----	-----	48	698
4189 lumber	176	-----	175	-----	-----	0	0
4190 forest products nec	148	-----	-----	-----	-----	148	-----
Subtotal pulp and waste paper	173	-----	-----	-----	-----	153	20
4225 pulp & waste paper	173	-----	-----	-----	-----	153	20
Subtotal soil, sand, gravel, rock and stone	2,523	-----	-----	16	-----	1,634	873
4331 sand & gravel	2,523	-----	-----	16	-----	1,634	873
Subtotal non-ferrous ores and scrap	6	3	-----	-----	-----	3	-----
4680 non-ferrous scrap	6	3	-----	-----	-----	3	-----
Subtotal sulphur, clay and salt	3	-----	-----	-----	-----	3	-----
4782 clay & refrac. mat.	3	-----	-----	-----	-----	3	-----
Subtotal other non-metal. min.	66	66	-----	-----	-----	-----	-----
4900 non-metal. min. nec	66	66	-----	-----	-----	-----	-----
Total primary manufactured goods	848	-----	60	-----	-----	646	141
Subtotal paper products	820	-----	39	-----	-----	640	141
5120 paper & paperboard	734	-----	-----	-----	-----	593	141

COLUMBIA RIVER SYSTEM
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Downbnd	Outbound Upbound	Intra Upbound Downbnd	
5190 paper products nec	86	-----	39	-----	-----	47	-----
Subtotal primary iron and steel products	11	-----	11	-----	-----	0	0
5330 i&s plates & sheets	0	-----	0	-----	-----	-----	-----
5360 i&s bars & shapes	9	-----	9	-----	-----	0	0
5370 i&s pipe & tube	2	-----	2	-----	-----	-----	-----
Subtotal primary non-ferrous metal products	3	-----	1	-----	-----	2	-----
5480 fab. metal products	3	-----	1	-----	-----	2	-----
Subtotal primary wood products	13	-----	9	-----	-----	4	-----
5540 primary wood prod.	13	-----	9	-----	-----	4	-----
Total food and farm products	6,004	-----	14	-----	83	3,567	2,341
Subtotal fish	135	-----	-----	-----	83	52	-----
6134 fish (not shellfish)	118	-----	-----	-----	71	48	-----
6136 shellfish	17	-----	-----	-----	12	5	-----
Subtotal grain	5,771	-----	14	-----	-----	3,416	2,341
6241 wheat	5,611	-----	14	-----	-----	3,323	2,274
6344 corn	5	-----	-----	-----	-----	5	-----
6443 barley & rye	155	-----	-----	-----	-----	88	68
Subtotal oilseeds	0	-----	-----	-----	-----	0	-----
6522 soybeans	0	-----	-----	-----	-----	0	-----
Subtotal vegetable products	38	-----	-----	-----	-----	38	-----
6654 vegetables & prod.	38	-----	-----	-----	-----	38	-----
Subtotal processed grain and animal feed	39	-----	-----	-----	-----	39	-----
6747 grain mill products	3	-----	-----	-----	-----	3	-----
6781 hay & fodder	37	-----	-----	-----	-----	37	-----
6782 animal feed, prep.	0	-----	-----	-----	-----	0	-----
Subtotal other agricultural products	20	-----	-----	-----	-----	20	0
6839 animals & prod. nec	18	-----	-----	-----	-----	18	-----
6857 fruit & nuts nec	1	-----	-----	-----	-----	1	-----
6858 fruit juices	1	-----	-----	-----	-----	1	-----
6899 farm products nec	1	-----	-----	-----	-----	1	0
Total all manufactured equipment, machinery and products	59	-----	0	-----	-----	20	38
7110 machinery (not elec)	1	-----	0	-----	-----	1	-----
7210 vehicles & parts	2	-----	-----	-----	-----	1	1
7230 ships & boats	0	-----	0	-----	-----	-----	-----
7400 manufac. wood prod.	0	-----	0	-----	-----	-----	-----
7600 rubber & plastic pr.	0	-----	-----	-----	-----	0	-----
7800 empty containers	55	-----	-----	-----	-----	18	38
7900 manufac. prod. nec	0	-----	0	-----	-----	0	-----

COLUMBIA RIVER SYSTEM
Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Downbnd	Outbound Upbound	Intra Upbound	Intra Downbnd
Total waste and scrap nec	191	-----	-----	-----	-----	190	1
8900 waste and scrap nec	191	-----	-----	-----	-----	190	1
Ton-miles (x1000)	834,561		21,324		83		375,787
Domestic		51,523		16		385,829	
Tons All Traffic (x1000)	52,607						
Ton-miles All Traffic (x1000)	2,159,064						

Other Harbors and Waterways

Harbor or Waterway	Commodity	Tons Thousand
Project		
ALSEA BAY AND RIVER, OR	No Commerce Reported	
CHETCO RIVER, OR	6134 fish (not shellfish)	2
	6136 shellfish	3
	Total Tons(x1000)	5
	Total Ton-miles(x1000)	5
CHINOOK CHANNEL, WA	6134 fish (not shellfish)	1
	6136 shellfish	1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	1
CLATSKANIE RIVER, OR	No Commerce Reported	
COLUMBIA RIVER AT BAKERS BAY, WA	6134 fish (not shellfish)	9
	6136 shellfish	1
	Total Tons(x1000)	10
	Total Ton-miles(x1000)	10
COLUMBIA SLOUGH, OR	No Commerce Reported	
COOS AND MILLICOMA RIVERS, OR	No Commerce Reported	
COQUILLE RIVER, OR	6134 fish (not shellfish)	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
COWLITZ RIVER, WA	6134 fish (not shellfish)	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
DEEP RIVER, WA	No Commerce Reported	
DEPOE BAY, OR	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
ELOKOMIN SLOUGH, WA	No Commerce Reported	
GRAYS RIVER, WA	No Commerce Reported	
LAKE RIVER, WA	3110 nitrogenous fert.	0
	3190 fert. & mixes nec	1
	6241 wheat	1

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Project		
LAKE RIVER, WA - continued	6443 barley & rye 6899 farm products nec 7210 vehicles & parts 7800 empty containers Total Tons(x1000) Total Ton-miles(x1000)	1 0 2 1 ----- 5 5
LEWIS RIVER, WA	No Commerce Reported	
PORT OF ST. HELENS, OR	No Commerce Reported	
PORT ORFORD, OR	6134 fish (not shellfish) 6136 shellfish Total Tons(x1000)	1 1 ----- 1
ROGUE RIVER, OR	6134 fish (not shellfish) 6136 shellfish 7900 manufac. prod. nec 9900 unknown or nec Total Tons(x1000) Total Ton-miles(x1000)	0 0 0 0 ----- 0 1
SIUSLAW RIVER, OR	6134 fish (not shellfish) 6136 shellfish Total Tons(x1000) Total Ton-miles(x1000)	0 0 ----- 0 2
SKAMOKAWA (STEAMBOAT) SLOUGH, WA	6134 fish (not shellfish) Total Tons(x1000) Total Ton-miles(x1000)	0 ----- 0 0
SKAMOKAWA CREEK, WA	No Commerce Reported	
SKIPANON CHANNEL, OR	4161 wood chips Total Tons(x1000) Total Ton-miles(x1000)	36 ----- 36 36
SMITH RIVER, OR	No Commerce Reported	
TILLAMOOK BAY AND BAR, OR	6134 fish (not shellfish) 6136 shellfish Total Tons(x1000)	1 0 ----- 2
UMPQUA RIVER, OR	4161 wood chips 4331 sand & gravel	5 223

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Project		
UMPQUA RIVER, OR - continued	4782 clay & refrac. mat.	4
	6134 fish (not shellfish)	0
	6136 shellfish	0
	7400 manufac. wood prod.	0
	Total Tons(x1000)	232
	Total Ton-miles(x1000)	3,561
WESTPORT SLOUGH, OR	No Commerce Reported	
YAQUINA BAY AND HARBOR, OR	3286 plastics	0
	4170 wood in the rough	25
	4189 lumber	22
	6134 fish (not shellfish)	58
	6136 shellfish	3
	7120 electrical machinery	0
	7230 ships & boats	0
	Total Tons(x1000)	108
	Total Ton-miles(x1000)	215
YAQUINA RIVER, OR	No Commerce Reported	
YOUNGS BAY AND YOUNGS RIVER, OR	6241 wheat	17
	Total Tons(x1000)	17
	Total Ton-miles(x1000)	17

GRAYS HARBOR AND CHEHALIS RIVER, WA

Section Included: Grays Harbor bar channel and Chehalis River to Cosmopolis and extending to Simpson Avenue bridge on the Hoquiam River and the Schafer Bros. wharf at Montesano on the Chehalis River. Controlling Depth: Bar channel, 37.1 feet; 25.5 feet from deep water in Lower Harbor to Upper Cross-Over; 27.0 feet from Upper Cross-Over to Cow Point; 25.6 feet from Cow Point to Cosmopolis; turning basin just downstream of Cow Point, 29.0 feet; turning basin near Elliott Slough, 25.5 feet. 5.5 feet from Cosmopolis to Montesano; Bay City channel, 9.1 feet; Westhaven Channel, 13.9 feet north entrance, 13.0 feet south entrance. Project Depth: 30 feet extending through the bar channel to Cosmopolis; Bay 16 feet to Montesano; Bay City channel, 14 feet; Westhaven channel, 16 feet. All depths refer to mllw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	6,357	1990	12,825
1986	4,585	1991	4,488
1987	4,346	1992	6,953
1988	6,488	1993	4,383
1989	5,351	1994	1,654

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Coastwise	
						Receipts	Shipments
Total, all commodities	1,654	1	1,487	1	165	5	160
Total chemicals and related products	0	-----	0	-----	-----	-----	-----
Subtotal other chemicals and related products	0	-----	0	-----	-----	-----	-----
3285 perfumes & cleansers	0	-----	0	-----	-----	-----	-----
3297 chemical additives	0	-----	0	-----	-----	-----	-----
Total crude materials, inedible except fuels	1,618	0	1,458	-----	160	0	160
Subtotal forest products, wood and chips	1,607	0	1,447	-----	160	0	160
4161 wood chips	67	-----	-----	-----	67	0	67
4170 wood in the rough	1,379	0	1,379	-----	-----	-----	-----
4189 lumber	161	0	68	-----	93	-----	93
Subtotal pulp and waste paper	2	-----	2	-----	-----	-----	-----
4225 pulp & waste paper	2	-----	2	-----	-----	-----	-----
Subtotal soil, sand, gravel, rock and stone	9	-----	9	-----	-----	-----	-----
4310 building stone	9	-----	9	-----	-----	-----	-----
Subtotal non-ferrous ores and scrap	0	-----	0	-----	-----	-----	-----
4680 non-ferrous scrap	0	-----	0	-----	-----	-----	-----
Total primary manufactured goods	24	1	24	-----	-----	-----	-----
Subtotal paper products	0	0	-----	-----	-----	-----	-----
5190 paper products nec	0	0	-----	-----	-----	-----	-----

GRAYS HARBOR AND CHEHALIS RIVER, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic	
		Imports	Exports	Imports	Total	Coastwise
					Receipts	Shipments
Subtotal lime, cement and glass	0	0	-----	-----	-----	-----
5240 glass & glass prod.	0	0	-----	-----	-----	-----
5290 misc. mineral prod.	0	0	-----	-----	-----	-----
Subtotal primary iron and steel products	11	0	11	-----	-----	-----
5320 i&s primary forms	1	-----	1	-----	-----	-----
5330 i&s plates & sheets	11	-----	11	-----	-----	-----
5370 i&s pipe & tube	0	0	0	-----	-----	-----
Subtotal primary non-ferrous metal products	9	0	9	-----	-----	-----
5422 aluminum	9	-----	9	-----	-----	-----
5480 fab. metal products	0	0	0	-----	-----	-----
Subtotal primary wood products	4	0	3	-----	-----	-----
5540 primary wood prod.	4	0	3	-----	-----	-----
Total food and farm products	6	0	5	1	-----	-----
Subtotal fish	6	-----	5	1	-----	-----
6134 fish (not shellfish)	6	-----	5	1	-----	-----
Subtotal grain	0	-----	0	-----	-----	-----
6344 corn	0	-----	0	-----	-----	-----
Subtotal vegetable products	0	0	0	-----	-----	-----
6654 vegetables & prod.	0	0	0	-----	-----	-----
Subtotal other agricultural products	0	0	0	-----	-----	-----
6835 fish, prepared	0	-----	0	-----	-----	-----
6858 fruit juices	0	0	-----	-----	-----	-----
6889 food products nec	0	0	-----	-----	-----	-----
Total all manufactured equipment, machinery and products	5	0	0	0	5	5
7110 machinery (not elec)	0	0	0	-----	-----	-----
7120 electrical machinery	0	0	-----	0	-----	-----
7220 aircraft & parts	0	0	-----	-----	-----	-----
7230 ships & boats	0	-----	0	-----	-----	-----
7400 manufac. wood prod.	0	0	0	-----	-----	-----
7500 textile products	0	0	-----	-----	-----	-----
7600 rubber & plastic pr.	0	0	-----	-----	-----	-----
7900 manufac. prod. nec	5	0	-----	-----	5	5
Total unknown or not elsewhere classified	0	0	-----	-----	-----	-----
9900 unknown or nec	0	0	-----	-----	-----	-----

PORT ANGELES HARBOR, WA

Section Included: Entire harbor from Rayonier, Inc. Wharf westward. Controlling Depth: Unlimited except for 25 feet near Rayonier, Inc. Wharf. All depths refer to mlw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	2,927	1990	3,072
1986	3,310	1991	2,680
1987	2,873	1992	2,336
1988	3,089	1993	1,987
1989	2,837	1994	1,695

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	778	3	621	126	29
Total petroleum and petroleum products	60	-----	37	11	12
Subtotal petroleum products	60	-----	37	11	12
2330 distillate fuel oil	1	-----	-----	1	-----
2340 residual fuel oil	22	-----	-----	10	12
2640 liquid natural gas	37	-----	37	-----	-----
Total chemicals and related products	3	0	-----	0	3
Subtotal other chemicals and related products	3	0	-----	0	3
3240 nitrogen func. comp.	0	-----	-----	-----	0
3274 sodium hydroxide	2	-----	-----	-----	2
3276 metallic salts	0	-----	-----	-----	0
3286 plastics	0	-----	-----	0	-----
3293 explosives	0	0	-----	-----	-----
Total crude materials, inedible except fuels	703	0	578	112	13
Subtotal forest products, wood and chips	597	0	548	45	4
4150 fuel wood	0	-----	-----	0	-----
4161 wood chips	152	-----	146	2	4
4170 wood in the rough	443	-----	402	41	0
4189 lumber	2	-----	0	2	-----
4190 forest products nec	0	0	-----	-----	-----
Subtotal pulp and waste paper	46	-----	30	7	9
4225 pulp & waste paper	46	-----	30	7	9
Subtotal soil, sand, gravel, rock and stone	29	-----	-----	29	-----
4331 sand & gravel	29	-----	-----	29	-----
Subtotal iron ore and scrap	0	-----	-----	0	-----
4420 iron & steel scrap	0	-----	-----	0	-----
Subtotal non-ferrous ores and scrap	0	-----	-----	0	-----
4680 non-ferrous scrap	0	-----	-----	0	-----
Subtotal other non-metal. min.	31	-----	-----	31	-----
4900 non-metal. min. nec	31	-----	-----	31	-----

PORT ANGELES HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total primary manufactured goods	3	0	0	1	1
Subtotal paper products	2	0	0	1	1
5110 newsprint	1	-----	-----	1	-----
5120 paper & paperboard	1	-----	-----	0	1
5190 paper products nec	0	0	0	-----	-----
Subtotal lime, cement and glass	0	0	-----	-----	-----
5240 glass & glass prod.	0	0	-----	-----	-----
5290 misc. mineral prod.	0	0	-----	-----	-----
Subtotal primary non-ferrous metal products	0	0	-----	0	-----
5480 fab. metal products	0	0	-----	0	-----
Subtotal primary wood products	0	-----	0	0	-----
5540 primary wood prod.	0	-----	0	0	-----
Total food and farm products	7	1	6	0	0
Subtotal fish	4	0	4	-----	0
6134 fish (not shellfish)	4	0	4	-----	0
Subtotal grain	0	0	-----	-----	-----
6442 rice	0	0	-----	-----	-----
Subtotal vegetable products	0	0	-----	-----	-----
6654 vegetables & prod.	0	0	-----	-----	-----
Subtotal other agricultural products	3	0	2	0	-----
6835 fish, prepared	2	0	2	-----	-----
6858 fruit juices	0	0	-----	-----	-----
6885 alcoholic beverages	0	-----	-----	0	-----
6889 food products nec	0	0	-----	-----	-----
6899 farm products nec	0	0	-----	0	-----
Total all manufactured equipment, machinery and products	2	2	-----	0	-----
7110 machinery (not elec)	0	0	-----	0	-----
7120 electrical machinery	1	0	-----	0	-----
7210 vehicles & parts	1	1	-----	-----	-----
7230 ships & boats	0	-----	-----	0	-----
7500 textile products	0	0	-----	0	-----
7600 rubber & plastic pr.	0	0	-----	0	-----
7900 manufac. prod. nec	0	0	-----	0	-----
Total unknown or not elsewhere classified	0	-----	0	0	0
9900 unknown or nec	0	-----	0	0	0

PORT ANGELES HARBOR, WA
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	917	59	11	339	307	201
Total petroleum and petroleum products	501	46	11	240	5	199
Subtotal petroleum products	501	46	11	240	5	199
2330 distillate fuel oil	16	4		12	0	0
2340 residual fuel oil	484	41	11	228	5	199
2350 lube oil & greases	1			1	0	0
Total chemicals and related products	21			21		
Subtotal other chemicals and related products	21			21		
3274 sodium hydroxide	14			14		
3275 inorg. elem., oxides, & halogen salts	7			7		
Total crude materials, inedible except fuels	393	13	0	76	302	2
Subtotal forest products, wood and chips	301	13	0	76	210	2
4161 wood chips	43	13	0	29		2
4170 wood in the rough	257			47	210	
Subtotal pulp and waste paper	92				92	1
4225 pulp & waste paper	92				92	1
Total food and farm products	2			2		
Subtotal fish	2			2		
6134 fish (not shellfish)	2			2		
6136 shellfish	0			0		

PORT TOWNSEND HARBOR, WA

Section Included: Point Wilson on the north to Irondale on the south. Controlling Depth: Channel from deep water to boat basin, 10.7 feet; outer portion of entrance channel in boat basin, 12.9 feet; inner portion of entrance channel in boat basin, 12.2 feet. Project Depth: 10 and 12 feet mllw in the inner and outer sections of the mooring basin, respectively.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	499	1990	427
1986	535	1991	546
1987	513	1992	325
1988	464	1993	201
1989	536	1994	402

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign	Canadian		Domestic		
		Exports	Imports	Exports	Total	Coastwise	Internal
					Receipts	Receipts	Shipments
Total, all commodities	402	4	13	2	383	3	348 32
Total petroleum and petroleum products	57	-----	3	-----	54	-----	54 -----
Subtotal petroleum products	57	-----	3	-----	54	-----	54 -----
2330 distillate fuel oil	0	-----	-----	-----	0	-----	0 -----
2340 residual fuel oil	53	-----	-----	-----	53	-----	53 -----
2430 asphalt, tar & pitch	3	-----	3	-----	-----	-----	-----
Total crude materials, inedible except fuels	344	4	10	2	328	3	293 32
Subtotal forest products, wood and chips	315	-----	10	-----	305	3	293 9
4150 fuel wood	19	-----	0	-----	19	-----	19 -----
4161 wood chips	216	-----	3	-----	213	3	210 -----
4170 wood in the rough	80	-----	6	-----	74	-----	65 9
Subtotal pulp and waste paper	29	4	-----	2	23	-----	----- 23
4225 pulp & waste paper	29	4	-----	2	23	-----	----- 23
Total food and farm products	1	-----	-----	-----	1	-----	1 -----
Subtotal fish	1	-----	-----	-----	1	-----	1 -----
6134 fish (not shellfish)	0	-----	-----	-----	0	-----	0 -----
6136 shellfish	1	-----	-----	-----	1	-----	1 -----

PORT GAMBLE HARBOR, WA

Section Included: Entrance channel and Port Gamble Harbor. Controlling Depth: 25.1 feet at mllw. Project Depth: 28 feet at mllw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	663	1990	1,550
1986	651	1991	267
1987	642	1992	453
1988	737	1993	273
1989	566	1994	251

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Domestic		
		Coastwise	Internal	
		Shipments	Receipts	Shipments
Total, all commodities	251	45	177	28
Total petroleum and petroleum products	8	-----	8	-----
Subtotal petroleum products	8	-----	8	-----
2430 asphalt, tar & pitch	8	-----	8	-----
Total chemicals and related products	2	2	-----	-----
Subtotal other chemicals and related products	2	2	-----	-----
3298 wood & resin chem.	2	2	-----	-----
Total crude materials, inedible except fuels	240	43	169	28
Subtotal forest products, wood and chips	240	43	169	28
4170 wood in the rough	198	-----	169	28
4189 lumber	43	43	-----	-----

HAMMERSLEY INLET, WA

Section Included: Inlet connecting Puget Sound with Shelton Harbor, a distance of about 7 miles. Controlling Depth: 8.8 feet. Project Depth: 13 feet. All depths refer to mllw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	501	1990	325
1986	366	1991	343
1987	415	1992	312
1988	531	1993	384
1989	420	1994	500

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Internal	
		Inbound Upbound	Outbound Downbnd
Total, all commodities	500	55	445
Total crude materials, inedible except fuels	498	54	445
Subtotal forest products, wood and chips	498	54	445
4161 wood chips	166		166
4170 wood in the rough	332	54	278
Total food and farm products	2	2	-----
Subtotal fish	2	2	-----
6134 fish (not shellfish)	1	1	-----
6136 shellfish	1	1	-----
Ton-miles (x1000)	4,999	551	4,448
Tons All Traffic (x1000)	500		
Ton-miles All Traffic (x1000)	4,999		

OLYMPIA HARBOR, WA

Section Included: That portion of Budd Inlet south and west of Priest Point and generally within the city limits of Olympia. Controlling Depth: 29.4 feet in outer channel, 29.4 feet in entrance channel and 27.7 feet in turning basin. Project Depth: 30 feet. All depths refer to mlw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	606	1990	1,265
1986	1,199	1991	945
1987	911	1992	714
1988	1,676	1993	924
1989	1,196	1994	1,514

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign	Canadian	Domestic					
		Exports	Exports	Total	Coastwise		Internal		
					Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	1,514	67	15	1,431	32	54	299	469	578
Total petroleum and petroleum products	26	-----	-----	26	-----	25	1	-----	-----
Subtotal petroleum products	26	-----	-----	26	-----	25	1	-----	-----
2340 residual fuel oil	26	-----	-----	26	-----	25	1	-----	-----
Total chemicals and related products	6	0	-----	6	-----	6	-----	-----	-----
Subtotal other chemicals and related products	6	0	-----	6	-----	6	-----	-----	-----
3286 plastics	0	0	-----	-----	-----	-----	-----	-----	-----
3298 wood & resin chem.	6	-----	-----	6	-----	6	-----	-----	-----
Total crude materials, inedible except fuels	1,480	67	15	1,398	32	23	296	469	578
Subtotal forest products, wood and chips	1,465	67	-----	1,398	32	23	296	469	578
4161 wood chips	145	-----	-----	145	-----	-----	-----	145	-----
4170 wood in the rough	1,297	67	-----	1,230	32	-----	296	324	578
4189 lumber	23	-----	-----	23	-----	23	-----	-----	-----
Subtotal soil, sand, gravel, rock and stone	15	-----	15	-----	-----	-----	-----	-----	-----
4331 sand & gravel	15	-----	15	-----	-----	-----	-----	-----	-----

OLYMPIA HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign	Canadian	Domestic					
		Exports	Exports	Total	Coastwise		Internal		
					Receipts	Shipments	Receipts	Shipments	Intraport
Total primary manufactured goods	0	0	-----	-----	-----	-----	-----	-----	-----
Subtotal primary non-ferrous metal products	0	0	-----	-----	-----	-----	-----	-----	-----
5429 smelted prod. nec	0	0	-----	-----	-----	-----	-----	-----	-----
Total food and farm products	1	0	-----	1	-----	-----	1	-----	-----
Subtotal fish	1	-----	-----	1	-----	-----	1	-----	-----
6134 fish (not shellfish)	1	-----	-----	1	-----	-----	1	-----	-----
6136 shellfish	0	-----	-----	0	-----	-----	0	-----	-----
Subtotal vegetable products	0	0	-----	-----	-----	-----	-----	-----	-----
6653 vegetable oils	0	0	-----	-----	-----	-----	-----	-----	-----
Total all manufactured equipment, machinery and products	0	0	-----	-----	-----	-----	-----	-----	-----
7110 machinery (not elec)	0	0	-----	-----	-----	-----	-----	-----	-----

TACOMA HARBOR, WA

Section Included: All of Commencement Bay and tributary waterways east of a line extending from Brown Point to and including the wharves of the Tacoma Smelter. Controlling Depth: City Waterway, 28.9 to 16.2 feet; Hylebos Waterway, 23.4 feet; least depth in turning basin 27.1 feet; Blair (Port Industrial Waterway), 32.8 feet. Project Depth: City Waterway, 29 to 19 feet; Hylebos Waterway, 30 feet; Blair (Port Industrial Waterway), 30 to 35 feet. All depths refer to mllw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	15,795	1990	21,433
1986	16,173	1991	19,544
1987	17,130	1992	20,116
1988	20,668	1993	18,652
1989	22,451	1994	17,616

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	11,310	3,650	6,775	590	295
Total coal	9	0	2	6	1
1100 coal lignite	9	0	2	6	1
Total petroleum and petroleum products	652	328	15	159	150
Subtotal crude petroleum	452	326	-----	125	-----
2100 crude petroleum	452	326	-----	125	-----
Subtotal petroleum products	200	2	15	34	150
2211 gasoline	7	-----	-----	7	-----
2221 kerosene	5	2	-----	-----	4
2330 distillate fuel oil	131	0	-----	10	120
2340 residual fuel oil	45	-----	4	17	24
2350 lube oil & greases	2	0	1	-----	1
2410 petro. jelly & waxes	0	0	0	-----	-----
2429 naphtha & solvents	0	-----	0	-----	-----
2430 asphalt, tar & pitch	10	0	10	-----	-----
2540 petroleum coke	0	-----	0	-----	-----
2640 liquid natural gas	0	0	0	-----	-----
Total chemicals and related products	354	115	181	15	44
Subtotal fertilizers	3	0	3	0	-----
3110 nitrogenous fert.	0	0	0	-----	-----
3130 potassic fert.	0	-----	0	0	-----
3190 fert. & mixes nec	3	0	3	-----	-----
Subtotal other chemicals and related products	351	115	178	15	44
3211 acyclic hydrocarbons	0	-----	0	-----	0
3212 benzene & toluene	0	-----	0	-----	-----
3219 other hydrocarbons	2	0	1	-----	-----
3220 alcohols	23	21	2	0	0
3230 carboxylic acids	7	6	1	-----	-----
3240 nitrogen func. comp.	12	7	5	-----	-----

TACOMA HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity		Total	Foreign		Canadian	
			Imports	Exports	Imports	Exports
3250	organo- inorgan. comp	4	4	0	0	-----
3260	organic comp. nec	2	1	1	0	-----
3272	sulphuric acid	0	0	0	-----	-----
3274	sodium hydroxide	21	-----	0	-----	21
3275	inorg. elem., oxides, & halogen salts	18	7	7	0	4
3276	metallic salts	34	3	14	0	17
3279	inorganic chem. nec	1	1	0	0	-----
3281	radioactive material	0	0	0	-----	-----
3282	pigments & paints	2	2	1	-----	-----
3283	coloring mat. nec	1	1	0	-----	-----
3284	medicines	7	2	4	1	-----
3285	perfumes & cleansers	12	1	11	0	-----
3286	plastics	148	46	88	13	1
3291	pesticides	0	0	0	-----	-----
3292	starches, gluten, glue	5	3	2	-----	-----
3293	explosives	3	3	-----	-----	-----
3297	chemical additives	2	0	2	-----	-----
3298	wood & resin chem.	35	0	35	-----	-----
3299	chem. products nec	10	6	3	0	0
Total crude materials, inedible except fuels		4,849	1,183	3,220	347	99
Subtotal forest products, wood and chips		2,699	16	2,606	46	30
4110	rubber & gums	4	4	0	-----	-----
4150	fuel wood	10	2	0	8	-----
4161	wood chips	668	0	636	2	30
4170	wood in the rough	1,689	0	1,681	8	-----
4189	lumber	325	9	288	28	0
4190	forest products nec	2	1	1	-----	-----
Subtotal pulp and waste paper		237	0	221	16	-----
4225	pulp & waste paper	237	0	221	16	-----
Subtotal soil, sand, gravel, rock and stone		741	503	4	175	59
4310	building stone	2	0	0	2	0
4322	limestone	174	-----	0	173	-----
4323	gypsum	546	502	0	-----	44
4327	phosphate rock	3	-----	3	-----	-----
4331	sand & gravel	16	0	0	-----	15
Subtotal iron ore and scrap		449	8	341	101	-----
4420	iron & steel scrap	449	8	341	101	-----
Subtotal marine shells		0	0	0	-----	-----
4515	marine shells	0	0	0	-----	-----
Subtotal non-ferrous ores and scrap		457	449	7	1	-----
4630	copper ore	0	-----	0	-----	-----
4650	aluminum ore	449	449	0	-----	-----
4680	non-ferrous scrap	6	0	5	0	-----
4690	non-ferrous ores nec	2	0	1	1	-----
Subtotal sulphur, clay and salt		27	0	27	-----	-----
4741	sulphur, (dry)	0	-----	0	-----	-----
4782	clay & refrac. mat.	27	0	26	-----	-----
Subtotal slag		0	0	-----	-----	-----
4860	slag	0	0	-----	-----	-----

TACOMA HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal other non-metal. min.	239	206	14	9	10
4900 non-metal. min. nec	239	206	14	9	10
Total primary manufactured goods	712	278	396	36	1
Subtotal paper products	259	10	233	16	0
5110 newsprint	23	1	15	8	-----
5120 paper & paperboard	224	4	213	6	0
5190 paper products nec	12	6	5	2	0
Subtotal lime, cement and glass	81	59	21	0	0
5220 cement & concrete	0	0	0	-----	-----
5240 glass & glass prod.	19	15	5	-----	-----
5290 misc. mineral prod.	61	44	16	0	0
Subtotal primary iron and steel products	52	31	21	0	0
5312 pig iron	1	0	1	-----	-----
5315 ferro alloys	2	1	1	-----	-----
5320 i&s primary forms	0	0	0	-----	-----
5330 i&s plates & sheets	25	8	16	-----	-----
5360 i&s bars & shapes	7	6	1	-----	-----
5370 i&s pipe & tube	7	5	2	0	0
5390 primary i&s nec	11	11	0	-----	-----
Subtotal primary non-ferrous metal products	281	175	101	5	0
5421 copper	57	11	46	-----	-----
5422 aluminum	25	2	23	-----	-----
5429 smelted prod. nec	27	2	23	2	-----
5480 fab. metal products	172	160	9	2	0
Subtotal primary wood products	39	2	21	16	0
5540 primary wood prod.	39	2	21	16	0
Total food and farm products	2,918	104	2,809	6	0
Subtotal fish	29	10	18	1	-----
6134 fish (not shellfish)	24	8	16	1	-----
6136 shellfish	5	2	3	-----	-----
Subtotal grain	1,304	3	1,301	-----	-----
6241 wheat	78	-----	78	-----	-----
6344 corn	1,161	1	1,160	-----	-----
6442 rice	2	2	0	-----	-----
6443 barley & rye	0	-----	0	-----	-----
6447 sorghum grains	63	-----	63	-----	-----
Subtotal oilseeds	606	0	606	0	-----
6522 soybeans	594	0	594	-----	-----
6590 oilseeds nec	12	0	12	0	-----
Subtotal vegetable products	159	22	136	1	-----
6653 vegetable oils	4	0	4	-----	-----
6654 vegetables & prod.	155	22	132	1	-----
Subtotal processed grain and animal feed	297	1	293	2	0
6746 wheat flour	2	-----	2	-----	-----
6747 grain mill products	15	1	14	0	0
6781 hay & fodder	201	0	199	1	-----
6782 animal feed, prep.	79	1	78	0	-----

TACOMA HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal other agricultural products	524	67	454	2	0
6811 meat, fresh, frozen	125	4	121	0	-----
6817 meat, prepared	3	0	3	-----	-----
6822 dairy products	16	0	15	0	-----
6835 fish, prepared	5	3	1	-----	0
6838 tallow, animal oils	75	0	75	0	-----
6839 animals & prod. nec	15	2	12	1	-----
6856 bananas & plantains	0	0	-----	-----	-----
6857 fruit & nuts nec	96	3	92	0	-----
6858 fruit juices	54	34	20	-----	-----
6861 sugar	0	0	-----	-----	-----
6871 coffee	4	4	0	-----	0
6872 cocoa beans	1	1	0	-----	-----
6885 alcoholic beverages	34	3	31	0	-----
6888 water & ice	1	0	1	-----	-----
6889 food products nec	45	9	34	1	-----
6891 tobacco & products	22	1	21	-----	-----
6893 cotton	19	0	19	0	-----
6894 natural fibers nec	0	0	-----	0	-----
6899 farm products nec	8	1	7	0	-----
Total all manufactured equipment, machinery and products	1,748	1,594	143	11	0
7110 machinery (not elec)	338	288	49	1	0
7120 electrical machinery	246	227	18	1	0
7210 vehicles & parts	419	396	22	0	0
7220 aircraft & parts	4	3	0	-----	-----
7230 ships & boats	7	1	1	6	0
7300 ordnance & access.	0	0	0	-----	-----
7400 manufac. wood prod.	24	15	8	1	0
7500 textile products	166	159	6	1	0
7600 rubber & plastic pr.	149	131	18	1	0
7900 manufac. prod. nec	395	373	21	1	0
Total unknown or not elsewhere classified	68	48	10	10	-----
9900 unknown or nec	68	48	10	10	-----

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	6,305	1,795	1,912	1,901	377	321
Total coal	0	-----	0	-----	-----	-----
1200 coal coke	0	-----	0	-----	-----	-----

TACOMA HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total petroleum and petroleum products	2,814	1,388	377	601	214	234
Subtotal crude petroleum	1,382	1,356	-----	17	-----	10
2100 crude petroleum	1,382	1,356	-----	17	-----	10
Subtotal petroleum products	1,432	33	377	584	214	224
2211 gasoline	53	9	10	12	3	19
2330 distillate fuel oil	261	-----	179	46	35	1
2340 residual fuel oil	1,081	19	163	520	175	204
2350 lube oil & greases	27	-----	23	3	1	1
2430 asphalt, tar & pitch	5	5	-----	-----	-----	-----
2540 petroleum coke	0	-----	0	-----	-----	-----
2990 petro. products nec	5	-----	2	3	-----	-----
Total chemicals and related products	233	39	148	1	45	-----
Subtotal fertilizers	1	-----	1	-----	-----	-----
3190 fert. & mixes nec	1	-----	1	-----	-----	-----
Subtotal other chemicals and related products	232	39	147	1	45	-----
3219 other hydrocarbons	0	-----	0	-----	-----	-----
3220 alcohols	19	-----	11	1	6	-----
3274 sodium hydroxide	172	31	119	-----	22	-----
3275 inorg. elem., oxides, & halogen salts	16	-----	0	-----	16	-----
3282 pigments & paints	0	-----	0	-----	-----	-----
3285 perfumes & cleansers	0	-----	0	-----	-----	-----
3286 plastics	0	-----	0	-----	-----	-----
3292 starches, gluten, glue	0	-----	0	-----	-----	-----
3298 wood & resin chem.	2	-----	2	-----	-----	-----
3299 chem. products nec	22	8	14	-----	-----	-----
Total crude materials, inedible except fuels	1,687	110	77	1,298	116	87
Subtotal forest products, wood and chips	1,166	101	75	834	115	40
4161 wood chips	241	101	0	139	1	1
4170 wood in the rough	894	-----	46	696	114	39
4189 lumber	30	-----	30	-----	-----	-----
Subtotal pulp and waste paper	0	-----	0	-----	-----	-----
4225 pulp & waste paper	0	-----	0	-----	-----	-----
Subtotal soil, sand, gravel, rock and stone	512	-----	1	463	1	46
4323 gypsum	0	-----	0	-----	-----	-----
4331 sand & gravel	485	-----	1	463	1	20
4338 soil & fill dirt	26	-----	-----	-----	-----	26
Subtotal iron ore and scrap	9	9	0	-----	-----	-----
4410 iron ore	0	-----	0	-----	-----	-----
4420 iron & steel scrap	9	9	0	-----	-----	-----
Subtotal non-ferrous ores and scrap	0	-----	0	-----	-----	-----
4680 non-ferrous scrap	0	-----	0	-----	-----	-----
Subtotal other non-metal. min.	0	-----	0	-----	-----	-----
4900 non-metal. min. nec	0	-----	0	-----	-----	-----

TACOMA HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total primary manufactured goods	93	3	88	-----	2	-----
Subtotal paper products	21	-----	21	-----	-----	-----
5110 newsprint	0	-----	0	-----	-----	-----
5120 paper & paperboard	1	-----	1	-----	-----	-----
5190 paper products nec	20	-----	20	-----	-----	-----
Subtotal lime, cement and glass	18	0	16	-----	2	-----
5240 glass & glass prod.	0	-----	0	-----	-----	-----
5290 misc. mineral prod.	18	0	16	-----	2	-----
Subtotal primary iron and steel products	11	0	11	-----	-----	-----
5312 pig iron	0	-----	0	-----	-----	-----
5320 i&s primary forms	0	-----	0	-----	-----	-----
5330 i&s plates & sheets	4	-----	4	-----	-----	-----
5360 i&s bars & shapes	6	-----	6	-----	-----	-----
5370 i&s pipe & tube	1	-----	1	-----	-----	-----
5390 primary i&s nec	0	0	0	-----	-----	-----
Subtotal primary non-ferrous metal products	43	3	40	-----	0	-----
5421 copper	0	-----	0	-----	-----	-----
5422 aluminum	1	-----	1	-----	-----	-----
5429 smelted prod. nec	0	-----	0	-----	-----	-----
5480 fab. metal products	42	3	39	-----	0	-----
Subtotal primary wood products	0	-----	0	-----	-----	-----
5540 primary wood prod.	0	-----	0	-----	-----	-----
Total food and farm products	989	90	898	1	-----	-----
Subtotal fish	80	76	2	1	-----	-----
6134 fish (not shellfish)	74	71	2	1	-----	-----
6136 shellfish	6	5	-----	1	-----	-----
Subtotal grain	0	-----	0	-----	-----	-----
6442 rice	0	-----	0	-----	-----	-----
6443 barley & rye	0	-----	0	-----	-----	-----
Subtotal oilseeds	0	-----	0	-----	-----	-----
6590 oilseeds nec	0	-----	0	-----	-----	-----
Subtotal vegetable products	5	0	5	-----	-----	-----
6653 vegetable oils	0	-----	0	-----	-----	-----
6654 vegetables & prod.	5	0	5	-----	-----	-----
Subtotal processed grain and animal feed	35	-----	35	-----	-----	-----
6746 wheat flour	28	-----	28	-----	-----	-----
6747 grain mill products	0	-----	0	-----	-----	-----
6781 hay & fodder	2	-----	2	-----	-----	-----
6782 animal feed, prep.	5	-----	5	-----	-----	-----
Subtotal other agricultural products	869	14	855	-----	-----	-----
6811 meat, fresh, frozen	3	-----	3	-----	-----	-----
6817 meat, prepared	0	-----	0	-----	-----	-----
6822 dairy products	0	-----	0	-----	-----	-----
6835 fish, prepared	13	13	-----	-----	-----	-----
6838 tallow, animal oils	0	0	-----	-----	-----	-----

TACOMA HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
6839 animals & prod. nec	480	1	480	-----	-----	-----
6856 bananas & plantains	0	-----	0	-----	-----	-----
6857 fruit & nuts nec	2	-----	2	-----	-----	-----
6858 fruit juices	0	-----	0	-----	-----	-----
6861 sugar	0	-----	0	-----	-----	-----
6871 coffee	0	-----	0	-----	-----	-----
6885 alcoholic beverages	2	-----	2	-----	-----	-----
6887 groceries	347	-----	347	-----	-----	-----
6889 food products nec	19	-----	19	-----	-----	-----
6893 cotton	0	-----	0	-----	-----	-----
6899 farm products nec	0	-----	0	-----	-----	-----
Total all manufactured equipment, machinery and products	468	160	309	-----	-----	0
7110 machinery (not elec)	1	-----	1	-----	-----	0
7120 electrical machinery	0	-----	0	-----	-----	-----
7210 vehicles & parts	49	14	34	-----	-----	-----
7230 ships & boats	0	-----	0	-----	-----	-----
7300 ordnance & access.	1	1	0	-----	-----	-----
7400 manufac. wood prod.	17	0	17	-----	-----	-----
7500 textile products	0	-----	0	-----	-----	-----
7600 rubber & plastic pr.	0	-----	0	-----	-----	-----
7900 manufac. prod. nec	400	144	255	-----	-----	-----
Total waste and scrap nec	0	-----	-----	-----	0	-----
8900 waste and scrap nec	0	-----	-----	-----	0	-----
Total unknown or not elsewhere classified	21	4	17	-----	-----	-----
9900 unknown or nec	21	4	17	-----	-----	-----

SEATTLE HARBOR, WA

Section Included: From Union Oil dock near Edmonds on the North Tofautleroy Ferry Slip on the south, including Elliott Bay, East, West, and Duwamish Waterway, Lake Washington Ship Canal, Salmon Bay, Lake Union, Lake Washington, and Kenmore Navigation Channel. Controlling Depth: Elliott Bay, unlimited; West Waterway, 28.0 feet; East Waterway, 31.2 feet; Duwamish Waterway, 18.2 feet from head of West Waterway to 1st Avenue So., 11.0 feet from 1st Avenue So. 14th Avenue So. 8.5 feet from 14th Avenue So. to head of waterway; Lake Washington Ship Canal, 29.2 feet below locks; above the locks 26.1 feet, Kenmore Navigation Channel; 13.6 feet. Project Depth: Elliott Bay, unlimited; East and West Waterways, 34 feet; Duwamish Waterway, 30 feet to First Avenue South; 20 feet to 8th Avenue South; and 15 feet from 8th Avenue South to head of waterway; Lake Washington Ship Canal, 34 feet below locks; 30 feet at lower pool level, Kenmore Navigation Channel; 15 feet. All depths refer to mllw except inside Lake Washington Ship Canal which reflects low lake level.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	16,230	1990	21,570
1986	17,098	1991	20,897
1987	18,553	1992	21,883
1988	18,646	1993	21,693
1989	21,763	1994	22,336

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	15,542	3,991	7,827	3,493	231
Total coal	2	0	2	-----	-----
1100 coal lignite	2	0	2	-----	-----
1200 coal coke	0	-----	0	-----	-----
Total petroleum and petroleum products	327	93	10	125	100
Subtotal crude petroleum	51	42	-----	9	-----
2100 crude petroleum	51	42	-----	9	-----
Subtotal petroleum products	276	51	10	116	100
2211 gasoline	60	-----	0	60	-----
2221 kerosene	98	-----	0	-----	98
2330 distillate fuel oil	45	0	1	43	1
2340 residual fuel oil	62	50	0	10	1
2350 lube oil & greases	6	0	5	0	-----
2410 petro. jelly & waxes	2	0	2	-----	-----
2429 naphtha & solvents	0	0	0	-----	-----
2430 asphalt, tar & pitch	3	0	0	3	-----
2540 petroleum coke	0	0	0	-----	-----
2640 liquid natural gas	0	0	0	-----	-----
Total chemicals and related products	567	197	361	5	3
Subtotal fertilizers	8	2	6	-----	-----
3110 nitrogenous fert.	0	0	0	-----	-----
3120 phosphatic fert.	0	-----	0	-----	-----
3130 potassic fert.	1	0	1	-----	-----
3190 fert. & mixes nec	7	2	5	-----	-----

SEATTLE HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal other chemicals and related products	558	195	355	5	3
3211 acyclic hydrocarbons	0	0	0	-----	-----
3212 benzene & toluene	0	0	0	-----	-----
3219 other hydrocarbons	5	3	2	-----	-----
3220 alcohols	47	40	8	-----	0
3230 carboxylic acids	29	9	20	0	-----
3240 nitrogen func. comp.	39	13	26	-----	0
3250 organo- inorgan. comp	11	7	4	-----	-----
3260 organic comp. nec	5	3	2	-----	-----
3271 sulphur (liquid)	0	0	0	-----	-----
3272 sulphuric acid	0	-----	0	-----	-----
3273 ammonia	2	2	0	-----	-----
3274 sodium hydroxide	1	0	0	1	-----
3275 inorg. elem., oxides, & halogen salts	32	7	25	0	-----
3276 metallic salts	34	9	23	-----	3
3279 inorganic chem. nec	8	1	4	3	-----
3281 radioactive material	1	0	0	-----	-----
3282 pigments & paints	11	5	6	-----	-----
3283 coloring mat. nec	6	5	1	-----	-----
3284 medicines	8	4	3	-----	0
3285 perfumes & cleansers	28	5	23	-----	-----
3286 plastics	203	69	134	0	0
3291 pesticides	2	1	1	-----	-----
3292 starches, gluten, glue	23	3	20	-----	-----
3293 explosives	2	2	0	-----	-----
3297 chemical additives	10	2	8	-----	-----
3298 wood & resin chem.	34	0	33	-----	-----
3299 chem. products nec	17	6	12	0	0
Total crude materials, inedible except fuels	4,444	290	1,406	2,649	99
Subtotal forest products, wood and chips	1,026	176	641	205	4
4110 rubber & gums	123	121	2	-----	-----
4150 fuel wood	4	0	4	-----	-----
4161 wood chips	10	0	6	-----	4
4170 wood in the rough	202	2	154	46	-----
4189 lumber	680	47	474	159	0
4190 forest products nec	7	5	2	0	0
Subtotal pulp and waste paper	549	2	483	65	0
4225 pulp & waste paper	549	2	483	65	0
Subtotal soil, sand, gravel, rock and stone	2,406	37	18	2,256	95
4310 building stone	2	0	0	2	-----
4322 limestone	1,721	-----	0	1,721	-----
4323 gypsum	98	37	7	35	20
4327 phosphate rock	0	-----	0	-----	-----
4331 sand & gravel	584	0	11	498	75
Subtotal iron ore and scrap	145	0	22	123	-----
4410 iron ore	0	0	0	-----	-----
4420 iron & steel scrap	145	0	22	123	-----
Subtotal marine shells	2	0	2	-----	-----
4515 marine shells	2	0	2	-----	-----

SEATTLE HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal non-ferrous ores and scrap	135	72	62	0	0
4650 aluminum ore	70	70	0	-----	-----
4670 manganese ore	0	0	-----	-----	-----
4680 non-ferrous scrap	54	1	53	-----	-----
4690 non-ferrous ores nec	11	2	9	0	0
Subtotal sulphur, clay and salt	76	2	74	-----	-----
4741 sulphur, (dry)	0	0	0	-----	-----
4782 clay & refrac. mat.	76	2	74	-----	-----
Subtotal slag	2	-----	2	-----	-----
4860 slag	2	-----	2	-----	-----
Subtotal other non-metal. min.	103	0	103	0	-----
4900 non-metal. min. nec	103	0	103	0	-----
Total primary manufactured goods	2,514	748	1,053	709	4
Subtotal paper products	1,108	32	700	376	0
5110 newsprint	539	0	241	298	-----
5120 paper & paperboard	539	15	446	78	-----
5190 paper products nec	30	16	13	-----	0
Subtotal lime, cement and glass	693	273	106	311	4
5210 lime	0	0	-----	-----	-----
5220 cement & concrete	468	154	1	309	4
5240 glass & glass prod.	56	36	21	0	0
5290 misc. mineral prod.	169	83	84	2	0
Subtotal primary iron and steel products	149	123	26	0	0
5312 pig iron	2	0	2	-----	-----
5315 ferro alloys	2	0	2	-----	-----
5320 i&s primary forms	1	0	1	-----	-----
5330 i&s plates & sheets	51	36	15	-----	-----
5360 i&s bars & shapes	23	20	3	0	-----
5370 i&s pipe & tube	54	51	3	-----	0
5390 primary i&s nec	16	15	1	0	-----
Subtotal primary non-ferrous metal products	436	309	126	0	0
5421 copper	14	6	8	-----	-----
5422 aluminum	70	6	64	0	0
5429 smelted prod. nec	22	3	19	-----	0
5480 fab. metal products	329	294	35	0	0
Subtotal primary wood products	129	12	95	21	-----
5540 primary wood prod.	129	12	95	21	-----
Total food and farm products	4,822	239	4,579	2	2
Subtotal fish	105	25	79	1	0
6134 fish (not shellfish)	94	19	73	1	0
6136 shellfish	11	5	6	-----	0
Subtotal grain	1,745	11	1,734	-----	-----
6241 wheat	585	-----	585	-----	-----
6344 corn	1,116	1	1,116	-----	-----
6442 rice	10	10	0	-----	-----
6443 barley & rye	1	0	1	-----	-----
6445 oats	0	0	0	-----	-----
6447 sorghum grains	32	-----	32	-----	-----

SEATTLE HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal oilseeds	275	1	274	-----	0
6522 soybeans	249	0	249	-----	-----
6534 flaxseed	0	-----	0	-----	-----
6590 oilseeds nec	26	1	25	-----	0
Subtotal vegetable products	392	20	372	0	0
6653 vegetable oils	3	0	2	0	-----
6654 vegetables & prod.	389	20	369	0	0
Subtotal processed grain and animal feed	851	5	845	0	1
6746 wheat flour	1	0	1	-----	-----
6747 grain mill products	16	3	13	0	0
6781 hay & fodder	631	0	631	0	-----
6782 animal feed, prep.	204	2	200	0	1
Subtotal other agricultural products	1,453	176	1,275	1	1
6811 meat, fresh, frozen	260	36	225	0	-----
6817 meat, prepared	4	1	4	-----	-----
6822 dairy products	20	1	19	-----	-----
6835 fish, prepared	22	7	16	-----	-----
6838 tallow, animal oils	1	0	1	-----	-----
6839 animals & prod. nec	290	7	283	-----	0
6856 bananas & plantains	0	0	-----	-----	-----
6857 fruit & nuts nec	375	19	356	0	0
6858 fruit juices	86	42	43	0	0
6861 sugar	0	0	0	-----	-----
6865 molasses	22	22	0	-----	-----
6871 coffee	13	12	1	-----	0
6872 cocoa beans	3	3	0	-----	-----
6885 alcoholic beverages	102	9	93	0	0
6888 water & ice	2	0	2	-----	0
6889 food products nec	122	16	106	0	0
6891 tobacco & products	40	1	38	0	-----
6893 cotton	62	0	62	-----	-----
6894 natural fibers nec	0	0	-----	-----	-----
6899 farm products nec	29	2	27	0	-----
Total all manufactured equipment, machinery and products	2,804	2,398	400	2	4
7110 machinery (not elec)	535	457	74	1	3
7120 electrical machinery	427	371	55	0	0
7210 vehicles & parts	497	415	83	0	-----
7220 aircraft & parts	7	6	1	-----	-----
7230 ships & boats	2	1	1	0	0
7300 ordnance & access.	2	1	1	-----	-----
7400 manufac. wood prod.	51	28	23	0	-----
7500 textile products	323	298	25	0	0
7600 rubber & plastic pr.	235	180	54	0	0
7900 manufac. prod. nec	725	642	83	1	0
Total unknown or not elsewhere classified	61	26	16	1	18
9900 unknown or nec	61	26	16	1	18

SEATTLE HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	6,794	704	1,592	2,987	709	801
Total coal	1	0	1	-----	-----	-----
1100 coal lignite	1	0	1	-----	-----	-----
Total petroleum and petroleum products	3,311	267	119	1,678	589	657
Subtotal crude petroleum	35	27	-----	8	-----	-----
2100 crude petroleum	35	27	-----	8	-----	-----
Subtotal petroleum products	3,276	240	119	1,670	589	657
2211 gasoline	550	113	24	379	23	12
2221 kerosene	0	-----	0	-----	-----	-----
2330 distillate fuel oil	505	116	46	194	55	94
2340 residual fuel oil	2,115	11	33	1,043	482	545
2350 lube oil & greases	54	0	3	27	24	0
2429 naphtha & solvents	2	-----	0	-----	2	-----
2430 asphalt, tar & pitch	28	-----	0	27	-----	-----
2540 petroleum coke	1	-----	1	-----	-----	-----
2640 liquid natural gas	9	0	9	-----	-----	-----
2990 petro. products nec	12	0	4	-----	3	5
Total chemicals and related products	129	29	88	6	1	5
Subtotal fertilizers	33	0	33	-----	-----	-----
3110 nitrogenous fert.	0	-----	0	-----	-----	-----
3130 potassic fert.	0	-----	0	-----	-----	-----
3190 fert. & mixes nec	32	0	32	-----	-----	-----
Subtotal other chemicals and related products	96	29	56	6	1	5
3211 acyclic hydrocarbons	0	-----	0	-----	-----	-----
3219 other hydrocarbons	1	-----	1	-----	-----	-----
3220 alcohols	42	22	8	6	1	5
3260 organic comp. nec	3	-----	3	-----	-----	-----
3272 sulphuric acid	1	-----	1	-----	-----	-----
3273 ammonia	0	0	0	-----	-----	-----
3274 sodium hydroxide	2	-----	2	-----	-----	-----
3275 inorg. elem., oxides, & halogen salts	5	0	5	-----	-----	-----
3276 metallic salts	2	-----	2	-----	-----	-----
3281 radioactive material	0	0	-----	-----	-----	-----
3282 pigments & paints	5	0	5	-----	-----	-----
3284 medicines	0	-----	0	-----	-----	-----
3285 perfumes & cleansers	2	0	1	-----	-----	-----
3286 plastics	19	0	19	-----	-----	-----
3291 pesticides	0	-----	0	-----	-----	-----
3293 explosives	0	-----	0	-----	-----	-----
3297 chemical additives	0	-----	0	-----	-----	-----
3299 chem. products nec	14	6	8	-----	-----	-----

SEATTLE HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total crude materials, inedible except fuels	1,748	80	209	1,238	115	106
Subtotal forest products, wood and chips	456	64	163	49	106	74
4110 rubber & gums	0	0	0			
4150 fuel wood	0		0			0
4170 wood in the rough	239	5	6	48	106	74
4189 lumber	213	59	153	1	0	0
4190 forest products nec	4	0	4			
Subtotal pulp and waste paper	97	3	1	93		
4225 pulp & waste paper	97	3	1	93		
Subtotal soil, sand, gravel, rock and stone	1,074	0	6	1,033	9	26
4322 limestone	0		0			
4323 gypsum	8		1	8		
4331 sand & gravel	1,037		2	1,026	9	
4333 dredged material	26					26
4338 soil & fill dirt	3	0	3			
Subtotal iron ore and scrap	10	10	0			
4410 iron ore	0	0				
4420 iron & steel scrap	10	10	0			
Subtotal non-ferrous ores and scrap	3	3				
4690 non-ferrous ores nec	3	3				
Subtotal sulphur, clay and salt	90		22	63		6
4741 sulphur, (dry)	2		2			
4782 clay & refrac. mat.	89		20	63		6
Subtotal other non-metal. min.	17	0	17		0	
4900 non-metal. min. nec	17	0	17		0	
Total primary manufactured goods	468	12	392	59	3	2
Subtotal paper products	76	1	76			
5110 newsprint	7		7			
5120 paper & paperboard	14		14			
5190 paper products nec	56	1	56			
Subtotal lime, cement and glass	162	0	101	59	2	0
5220 cement & concrete	73	0	15	57	2	
5240 glass & glass prod.	5	0	5			
5290 misc. mineral prod.	83	0	81	2	0	0
Subtotal primary iron and steel products	21	2	19			0
5330 i&s plates & sheets	0		0			
5360 i&s bars & shapes	2		2			
5370 i&s pipe & tube	19	2	17			0
5390 primary i&s nec	0	0	0			
Subtotal primary non-ferrous metal products	138	9	126	0	1	2
5422 aluminum	0	0				
5429 smelted prod. nec	1		1			
5480 fab. metal products	137	9	125	0	1	2
Subtotal primary wood products	71	0	71			
5540 primary wood prod.	71	0	71			

SEATTLE HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total food and farm products	496	181	278	4	-----	32
Subtotal fish	101	92	5	4	-----	-----
6134 fish (not shellfish)	98	89	5	3	-----	-----
6136 shellfish	3	3	0	1	-----	-----
Subtotal grain	2	-----	2	-----	-----	-----
6344 corn	1	-----	1	-----	-----	-----
6442 rice	1	-----	1	-----	-----	-----
Subtotal oilseeds	0	-----	0	-----	-----	-----
6522 soybeans	0	-----	0	-----	-----	-----
6590 oilseeds nec	0	-----	0	-----	-----	-----
Subtotal vegetable products	41	1	40	-----	-----	-----
6654 vegetables & prod.	41	1	40	-----	-----	-----
Subtotal processed grain and animal feed	82	0	82	-----	-----	-----
6746 wheat flour	6	-----	6	-----	-----	-----
6747 grain mill products	0	-----	0	-----	-----	-----
6781 hay & fodder	1	-----	1	-----	-----	-----
6782 animal feed, prep.	75	0	75	-----	-----	-----
Subtotal other agricultural products	270	89	149	-----	-----	32
6811 meat, fresh, frozen	7	0	7	-----	-----	-----
6822 dairy products	3	0	3	-----	-----	-----
6835 fish, prepared	3	3	-----	-----	-----	-----
6839 animals & prod. nec	3	1	2	-----	-----	-----
6857 fruit & nuts nec	6	0	6	-----	-----	-----
6858 fruit juices	35	34	1	-----	-----	-----
6861 sugar	0	-----	0	-----	-----	-----
6865 molasses	70	37	-----	-----	-----	32
6871 coffee	0	0	0	-----	-----	-----
6885 alcoholic beverages	14	1	14	-----	-----	-----
6887 groceries	43	1	41	-----	-----	-----
6889 food products nec	82	10	72	-----	-----	-----
6891 tobacco & products	0	0	0	-----	-----	-----
6899 farm products nec	5	1	4	-----	-----	-----
Total all manufactured equipment, machinery and products	641	136	504	1	0	0
7110 machinery (not elec)	57	13	43	1	0	0
7120 electrical machinery	12	0	11	-----	-----	-----
7210 vehicles & parts	46	17	29	-----	-----	-----
7220 aircraft & parts	0	0	0	-----	-----	-----
7230 ships & boats	4	1	3	-----	-----	-----
7300 ordnance & access.	0	-----	0	-----	-----	-----
7400 manufac. wood prod.	90	49	41	-----	0	0
7500 textile products	4	0	4	-----	-----	-----
7600 rubber & plastic pr.	4	0	4	-----	-----	-----
7900 manufac. prod. nec	424	55	369	-----	0	-----
Total waste and scrap nec	0	-----	-----	0	-----	-----
8900 waste and scrap nec	0	-----	-----	0	-----	-----

SEATTLE HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total unknown or not elsewhere classified	0	0	0	-----	-----	-----
9900 unknown or nec	0	0	0	-----	-----	-----

LAKE WASHINGTON SHIP CANAL, WA (INCLUDED IN TRAFFIC OF SEATTLE HARBOR, WA)

Section Included: As described under Seattle Harbor, WA.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	1,835	1990	1,724
1986	1,761	1991	1,437
1987	1,620	1992	1,614
1988	1,740	1993	1,919
1989	1,566	1994	1,365

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	299	31	11	219	39
Total petroleum and petroleum products	0	-----	0	-----	-----
Subtotal petroleum products	0	-----	0	-----	-----
2350 lube oil & greases	0	-----	0	-----	-----
Total chemicals and related products	22	22	0	-----	-----
Subtotal other chemicals and related products	22	22	0	-----	-----
3219 other hydrocarbons	0	-----	0	-----	-----
3220 alcohols	22	22	-----	-----	-----
3230 carboxylic acids	0	-----	0	-----	-----
3260 organic comp. nec	0	-----	0	-----	-----
3275 inorg. elem.,oxides, & halogen salts	0	-----	0	-----	-----
3282 pigments & paints	0	-----	0	-----	-----
3285 perfumes & cleansers	0	-----	0	-----	-----
3286 plastics	0	-----	0	-----	-----
3291 pesticides	0	-----	0	-----	-----
3297 chemical additives	0	-----	0	-----	-----
Total crude materials, inedible except fuels	258	-----	1	218	39
Subtotal forest products, wood and chips	7	-----	-----	7	-----
4170 wood in the rough	7	-----	-----	7	-----

LAKE WASHINGTON SHIP CANAL, WA (INCLUDED IN TRAFFIC OF SEATTLE HARBOR, WA)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal soil, sand, gravel, rock and stone	251	-----	0	212	39
4310 building stone	2	-----	-----	2	-----
4322 limestone	6	-----	-----	6	-----
4323 gypsum	4	-----	-----	-----	4
4331 sand & gravel	240	-----	0	205	35
Subtotal iron ore and scrap	0	-----	0	-----	-----
4420 iron & steel scrap	0	-----	0	-----	-----
Subtotal non-ferrous ores and scrap	0	-----	0	-----	0
4680 non-ferrous scrap	0	-----	0	-----	-----
4690 non-ferrous ores nec	0	-----	-----	-----	0
Subtotal other non-metal. min.	0	-----	0	-----	-----
4900 non-metal. min. nec	0	-----	0	-----	-----
Total primary manufactured goods	1	-----	1	0	-----
Subtotal paper products	1	-----	1	-----	-----
5120 paper & paperboard	0	-----	0	-----	-----
5190 paper products nec	1	-----	1	-----	-----
Subtotal lime, cement and glass	0	-----	0	0	-----
5240 glass & glass prod.	0	-----	0	-----	-----
5290 misc. mineral prod.	0	-----	-----	0	-----
Subtotal primary iron and steel products	0	-----	0	-----	-----
5370 i&s pipe & tube	0	-----	0	-----	-----
Subtotal primary non-ferrous metal products	0	-----	0	0	-----
5422 aluminum	0	-----	-----	0	-----
5429 smelted prod. nec	0	-----	0	-----	-----
5480 fab. metal products	0	-----	0	0	-----
Total food and farm products	16	9	8	-----	-----
Subtotal fish	9	9	0	-----	-----
6134 fish (not shellfish)	8	8	0	-----	-----
6136 shellfish	1	1	-----	-----	-----
Subtotal grain	0	-----	0	-----	-----
6344 corn	0	-----	0	-----	-----
Subtotal oilseeds	0	0	-----	-----	-----
6590 oilseeds nec	0	0	-----	-----	-----
Subtotal vegetable products	1	-----	1	-----	-----
6653 vegetable oils	0	-----	0	-----	-----
6654 vegetables & prod.	1	-----	1	-----	-----
Subtotal processed grain and animal feed	0	-----	0	-----	-----
6747 grain mill products	0	-----	0	-----	-----
6782 animal feed, prep.	0	-----	0	-----	-----
Subtotal other agricultural products	6	-----	6	-----	-----
6811 meat, fresh, frozen	4	-----	4	-----	-----
6817 meat, prepared	0	-----	0	-----	-----
6822 dairy products	0	-----	0	-----	-----
6839 animals & prod. nec	0	-----	0	-----	-----
6857 fruit & nuts nec	1	-----	1	-----	-----

LAKE WASHINGTON SHIP CANAL, WA (INCLUDED IN TRAFFIC OF SEATTLE HARBOR, WA)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
6858 fruit juices	0	-----	0	-----	-----
6885 alcoholic beverages	0	-----	0	-----	-----
6889 food products nec	1	-----	1	-----	-----
6891 tobacco & products	0	-----	0	-----	-----
6893 cotton	0	-----	0	-----	-----
Total all manufactured equipment, machinery and products	1	0	1	0	-----
7110 machinery (not elec)	0	-----	0	0	-----
7120 electrical machinery	0	-----	0	-----	-----
7210 vehicles & parts	0	0	0	0	-----
7230 ships & boats	0	-----	0	-----	-----
7500 textile products	0	-----	0	-----	-----
7600 rubber & plastic pr.	1	-----	1	0	-----
7900 manufac. prod. nec	0	-----	0	0	-----
Total unknown or not elsewhere classified	0	0	0	0	-----
9900 unknown or nec	0	0	0	0	-----

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound
Total, all commodities	1,065	110	166	618	136	35
Total petroleum and petroleum products	109	0	3	106	-----	0
Subtotal petroleum products	109	0	3	106	-----	0
2221 kerosene	0	-----	0	-----	-----	-----
2330 distillate fuel oil	107	-----	1	106	-----	0
2340 residual fuel oil	1	-----	1	-----	-----	-----
2350 lube oil & greases	0	0	0	-----	-----	-----
2540 petroleum coke	0	-----	0	-----	-----	-----
2640 liquid natural gas	1	0	1	-----	-----	-----
2990 petro. products nec	0	-----	0	-----	-----	-----
Total chemicals and related products	2	0	1	-----	1	-----
Subtotal fertilizers	1	-----	1	-----	-----	-----
3110 nitrogenous fert.	0	-----	0	-----	-----	-----
3190 fert. & mixes nec	1	-----	1	-----	-----	-----
Subtotal other chemicals and related products	1	0	0	-----	1	-----
3220 alcohols	1	-----	0	-----	1	-----
3273 ammonia	0	0	0	-----	-----	-----
3275 inorg. elem., oxides, & halogen salts	0	-----	0	-----	-----	-----
3276 metallic salts	0	-----	0	-----	-----	-----
3282 pigments & paints	0	-----	0	-----	-----	-----
3285 perfumes & cleansers	0	-----	0	-----	-----	-----

LAKE WASHINGTON SHIP CANAL, WA (INCLUDED IN TRAFFIC OF SEATTLE HARBOR, WA)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound
3286 plastics	0	-----	0	-----	-----	-----
3291 pesticides	0	-----	0	-----	-----	-----
3299 chem. products nec	0	0	0	-----	-----	-----
Total crude materials, inedible except fuels	713	15	18	511	134	34
Subtotal forest products, wood and chips	216	12	15	54	101	34
4150 fuel wood	0	-----	0	-----	-----	-----
4170 wood in the rough	192	3	0	54	101	34
4189 lumber	24	9	15	-----	-----	-----
4190 forest products nec	0	-----	0	-----	-----	-----
Subtotal pulp and waste paper	0	0	-----	-----	-----	-----
4225 pulp & waste paper	0	0	-----	-----	-----	-----
Subtotal soil, sand, gravel, rock and stone	490	-----	0	457	33	-----
4331 sand & gravel	464	-----	0	457	7	-----
4333 dredged material	26	-----	-----	-----	26	-----
4338 soil & fill dirt	0	-----	0	-----	-----	-----
Subtotal iron ore and scrap	0	0	-----	-----	-----	-----
4420 iron & steel scrap	0	0	-----	-----	-----	-----
Subtotal non-ferrous ores and scrap	3	3	-----	-----	-----	-----
4690 non-ferrous ores nec	3	3	-----	-----	-----	-----
Subtotal other non-metal. min.	3	0	3	-----	-----	-----
4900 non-metal. min. nec	3	0	3	-----	-----	-----
Total primary manufactured goods	31	1	29	-----	1	-----
Subtotal paper products	4	0	4	-----	-----	-----
5110 newsprint	0	-----	0	-----	-----	-----
5190 paper products nec	4	0	4	-----	-----	-----
Subtotal lime, cement and glass	17	0	17	-----	-----	-----
5220 cement & concrete	1	-----	1	-----	-----	-----
5240 glass & glass prod.	0	0	0	-----	-----	-----
5290 misc. mineral prod.	16	0	16	-----	-----	-----
Subtotal primary iron and steel products	0	-----	0	-----	-----	-----
5360 i&s bars & shapes	0	-----	0	-----	-----	-----
5370 i&s pipe & tube	0	-----	0	-----	-----	-----
5390 primary i&s nec	0	-----	0	-----	-----	-----
Subtotal primary non-ferrous metal products	10	1	8	-----	1	-----
5422 aluminum	0	0	-----	-----	-----	-----
5480 fab. metal products	10	1	8	-----	1	-----
Subtotal primary wood products	0	0	0	-----	-----	-----
5540 primary wood prod.	0	0	0	-----	-----	-----
Total food and farm products	116	74	41	0	-----	-----
Subtotal fish	76	72	3	0	-----	-----
6134 fish (not shellfish)	74	70	3	0	-----	-----
6136 shellfish	2	2	0	-----	-----	-----

LAKE WASHINGTON SHIP CANAL, WA (INCLUDED IN TRAFFIC OF SEATTLE HARBOR, WA)
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound
Subtotal vegetable products	1	0	1	-----	-----	-----
6654 vegetables & prod.	1	0	1	-----	-----	-----
Subtotal processed grain and animal feed	0	-----	0	-----	-----	-----
6781 hay & fodder	0	-----	0	-----	-----	-----
6782 animal feed, prep.	0	-----	0	-----	-----	-----
Subtotal other agricultural products	39	2	36	-----	-----	-----
6811 meat, fresh, frozen	1	0	1	-----	-----	-----
6835 fish, prepared	1	1	-----	-----	-----	-----
6858 fruit juices	1	0	1	-----	-----	-----
6861 sugar	0	-----	0	-----	-----	-----
6885 alcoholic beverages	3	1	2	-----	-----	-----
6887 groceries	30	0	30	-----	-----	-----
6889 food products nec	2	-----	2	-----	-----	-----
6891 tobacco & products	0	-----	0	-----	-----	-----
6899 farm products nec	0	-----	0	-----	-----	-----
Total all manufactured equipment, machinery and products	94	19	74	-----	0	-----
7110 machinery (not elec)	6	1	6	-----	-----	-----
7120 electrical machinery	0	0	0	-----	-----	-----
7210 vehicles & parts	3	1	3	-----	-----	-----
7220 aircraft & parts	0	0	0	-----	-----	-----
7230 ships & boats	2	0	2	-----	-----	-----
7300 ordnance & access.	0	-----	0	-----	-----	-----
7400 manufac. wood prod.	14	0	14	-----	-----	-----
7500 textile products	0	0	0	-----	-----	-----
7600 rubber & plastic pr.	0	0	0	-----	-----	-----
7900 manufac. prod. nec	68	18	50	-----	0	-----

EVERETT HARBOR AND SNOHOMISH RIVER, WA

Section Included: Port Gardner Bay from the Weyerhaeuser Company Thermo-Mechanical Mill, on the south to Preston Point on the north and including the Snohomish River and Tributary Waters. Controlling Depth: East Waterway, 33.3 feet; 14.0 feet in Port Gardner Bay to the settling basin; 8.8 feet in the settling basin; 6.1 feet from the settling basin to Burlington Northern Railroad; 4.8 feet from Burlington Northern Railroad to head of waterway at Steamboat Slough. Project Depth: East Waterway, 30 feet; deep water in Port Gardner Bay to settling basin, 15 feet; settling basin, 20 feet; from the settling basin to the gap, 8 feet; from the Gap to the upstream settling basin, 8 feet; 40 feet in upstream settling basin; 8 feet to head of waterway. All depths refer to mllw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	4,128	1990	6,580
1986	5,797	1991	5,453
1987	7,200	1992	6,010
1988	7,396	1993	4,714
1989	6,036	1994	4,192

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	1,160	253	803	73	31
Total petroleum and petroleum products	6	-----	-----	6	-----
Subtotal petroleum products	6	-----	-----	6	-----
2330 distillate fuel oil	6	-----	-----	6	-----
Total chemicals and related products	15	15	0	-----	-----
Subtotal other chemicals and related products	15	15	0	-----	-----
3282 pigments & paints	0	-----	0	-----	-----
3285 perfumes & cleansers	0	0	-----	-----	-----
3292 starches, gluten, glue	0	-----	0	-----	-----
3298 wood & resin chem.	0	-----	0	-----	-----
3299 chem. products nec	15	15	-----	-----	-----
Total crude materials, inedible except fuels	1,082	237	765	49	31
Subtotal forest products, wood and chips	819	-----	761	26	31
4161 wood chips	10	-----	-----	2	8
4170 wood in the rough	808	-----	760	24	23
4189 lumber	1	-----	1	-----	-----
Subtotal pulp and waste paper	4	-----	3	1	-----
4225 pulp & waste paper	4	-----	3	1	-----
Subtotal soil, sand, gravel, rock and stone	22	-----	-----	22	-----
4322 limestone	5	-----	-----	5	-----
4331 sand & gravel	18	-----	-----	18	-----
Subtotal non-ferrous ores and scrap	237	237	-----	-----	0
4650 aluminum ore	237	237	-----	-----	-----
4690 non-ferrous ores nec	0	-----	-----	-----	0
Subtotal other non-metal. min.	0	-----	0	-----	-----
4900 non-metal. min. nec	0	-----	0	-----	-----

EVERETT HARBOR AND SNOHOMISH RIVER, WA
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total primary manufactured goods	18	-----	0	18	0
Subtotal paper products	17	-----	0	17	-----
5110 newsprint	12	-----	-----	12	-----
5120 paper & paperboard	6	-----	0	6	-----
Subtotal lime, cement and glass	0	-----	-----	0	-----
5290 misc. mineral prod.	0	-----	-----	0	-----
Subtotal primary non-ferrous metal products	0	-----	0	-----	0
5480 fab. metal products	0	-----	0	-----	0
Subtotal primary wood products	0	-----	0	-----	-----
5540 primary wood prod.	0	-----	0	-----	-----
Total food and farm products	38	-----	38	0	-----
Subtotal fish	0	-----	0	0	-----
6134 fish (not shellfish)	0	-----	0	0	-----
Subtotal grain	0	-----	0	-----	-----
6344 corn	0	-----	0	-----	-----
Subtotal vegetable products	8	-----	8	-----	-----
6653 vegetable oils	1	-----	1	-----	-----
6654 vegetables & prod.	7	-----	7	-----	-----
Subtotal processed grain and animal feed	0	-----	0	-----	-----
6746 wheat flour	0	-----	0	-----	-----
6747 grain mill products	0	-----	0	-----	-----
Subtotal other agricultural products	30	-----	30	-----	-----
6811 meat, fresh, frozen	1	-----	1	-----	-----
6817 meat, prepared	0	-----	0	-----	-----
6822 dairy products	0	-----	0	-----	-----
6835 fish, prepared	0	-----	0	-----	-----
6839 animals & prod. nec	0	-----	0	-----	-----
6857 fruit & nuts nec	22	-----	22	-----	-----
6858 fruit juices	0	-----	0	-----	-----
6861 sugar	5	-----	5	-----	-----
6885 alcoholic beverages	0	-----	0	-----	-----
6889 food products nec	0	-----	0	-----	-----
Total all manufactured equipment, machinery and products	2	1	0	0	0
7110 machinery (not elec)	1	1	0	-----	0
7120 electrical machinery	0	-----	0	-----	-----
7210 vehicles & parts	0	-----	0	-----	-----
7230 ships & boats	0	-----	0	-----	-----
7400 manufac. wood prod.	0	0	-----	-----	-----
7500 textile products	0	0	0	-----	-----
7600 rubber & plastic pr.	0	-----	0	0	-----
7900 manufac. prod. nec	0	0	0	-----	-----
Total unknown or not elsewhere classified	0	-----	0	-----	-----
9900 unknown or nec	0	-----	0	-----	-----

EVERETT HARBOR AND SNOHOMISH RIVER, WA
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	3,032	9	4	1,005	800	1,214
Total petroleum and petroleum products	22	-----	-----	22	-----	-----
Subtotal petroleum products	22	-----	-----	22	-----	-----
2330 distillate fuel oil	0	-----	-----	0	-----	-----
2340 residual fuel oil	22	-----	-----	22	-----	-----
Total chemicals and related products	21	-----	4	17	-----	-----
Subtotal other chemicals and related products	21	-----	4	17	-----	-----
3274 sodium hydroxide	8	-----	-----	8	-----	-----
3275 inorg. elem.,oxides, & halogen salts	9	-----	-----	9	-----	-----
3298 wood & resin chem.	4	-----	4	-----	-----	-----
Total crude materials, inedible except fuels	2,985	8	-----	963	800	1,214
Subtotal forest products, wood and chips	2,826	8	-----	804	800	1,214
4150 fuel wood	19	-----	-----	-----	19	-----
4161 wood chips	65	-----	-----	-----	65	-----
4170 wood in the rough	2,740	8	-----	804	714	1,214
4189 lumber	1	-----	-----	-----	1	-----
Subtotal soil, sand, gravel, rock and stone	160	-----	-----	160	-----	-----
4331 sand & gravel	160	-----	-----	160	-----	-----
Total food and farm products	2	-----	-----	2	-----	-----
Subtotal fish	2	-----	-----	2	-----	-----
6134 fish (not shellfish)	2	-----	-----	2	-----	-----
6136 shellfish	0	-----	-----	0	-----	-----
Total all manufactured equipment, machinery and products	2	1	1	0	0	-----
7110 machinery (not elec)	1	1	-----	-----	0	-----
7210 vehicles & parts	0	-----	-----	0	-----	-----
7300 ordnance & access.	1	-----	1	-----	-----	-----

SWINOMISH CHANNEL, WA

Section Included: Entire channel. Controlling Depth: 10.5 feet. Project Depth: 12 feet. All depths refer to mllw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	696	1990	1,733
1986	2,160	1991	829
1987	1,643	1992	816
1988	837	1993	551
1989	1,724	1994	374

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Internal						
		Inbound		Outbound		Through		Intra
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Downbnd
Total, all commodities	374	27	19	79	194	34	18	2
Total crude materials, inedible except fuels	363	27	10	79	194	34	16	2
Subtotal forest products, wood and chips	363	27	10	79	194	34	16	2
4170 wood in the rough	363	27	10	79	194	34	16	2
Total primary manufactured goods	2	-----	-----	-----	-----	-----	2	-----
Subtotal lime, cement and glass	2	-----	-----	-----	-----	-----	2	-----
5290 misc. mineral prod.	2	-----	-----	-----	-----	-----	2	-----
Total food and farm products	9	-----	9	-----	-----	-----	-----	-----
Subtotal fish	9	-----	9	-----	-----	-----	-----	-----
6134 fish (not shellfish)	9	-----	9	-----	-----	-----	-----	-----
6136 shellfish	1	-----	1	-----	-----	-----	-----	-----
Ton-miles (x1000)	1,632	20	137	690	251	342	178	12
Tons All Traffic (x1000)		374						
Ton-miles All Traffic (x1000)		1,632						

ANACORTES HARBOR, WA

Section Included: Water front of Fidalgo Island from Burrows Bay to and including the oil refinery wharves on Fidalgo Bay. Controlling Depth: Main harbor on Guemes Channel, 33 feet; Cap Sante Waterway, Outer Waterway 11.4 feet, Inner Waterway 11.8 feet, Anacortes Navigation Channel, 16.2 feet. Project Depth: No project for main harbor; Cap Sante Waterway, 12 feet Anacortes Navigation Channel, 18 feet. All depths refer to mllw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	10,208	1990	15,438
1986	12,747	1991	14,481
1987	13,687	1992	15,260
1988	13,638	1993	13,124
1989	13,169	1994	12,950

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	2,260	693	961	103	503
Total coal	29	-----	-----	-----	29
1100 coal lignite	29	-----	-----	-----	29
Total petroleum and petroleum products	2,120	693	887	66	474
Subtotal crude petroleum	675	652	23	-----	-----
2100 crude petroleum	675	652	23	-----	-----
Subtotal petroleum products	1,445	40	864	66	474
2211 gasoline	97	-----	92	-----	4
2221 kerosene	59	-----	-----	-----	59
2330 distillate fuel oil	334	-----	258	10	67
2340 residual fuel oil	364	-----	304	19	41
2350 lube oil & greases	45	40	-----	-----	5
2429 naphtha & solvents	162	-----	157	-----	6
2430 asphalt, tar & pitch	69	0	31	38	-----
2540 petroleum coke	314	-----	22	-----	292
Total chemicals and related products	3	-----	2	0	0
Subtotal other chemicals and related products	3	-----	2	0	0
3240 nitrogen func. comp.	0	-----	-----	-----	0
3275 inorg. elem., oxides, & halogen salts	2	-----	2	-----	-----
3276 metallic salts	0	-----	-----	0	-----
Total crude materials, inedible except fuels	102	-----	69	33	-----
Subtotal forest products, wood and chips	102	-----	69	33	-----
4170 wood in the rough	102	-----	69	33	-----
4189 lumber	0	-----	-----	0	-----
Subtotal non-ferrous ores and scrap	0	-----	0	-----	-----
4680 non-ferrous scrap	0	-----	0	-----	-----

ANACORTES HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total primary manufactured goods	2	0	0	2	-----
Subtotal paper products	2	0	-----	2	-----
5110 newsprint	2	-----	-----	2	-----
5190 paper products nec	0	0	-----	-----	-----
Subtotal lime, cement and glass	0	0	-----	0	-----
5290 misc. mineral prod.	0	0	-----	0	-----
Subtotal primary non-ferrous metal products	0	0	0	0	-----
5480 fab. metal products	0	0	0	0	-----
Total food and farm products	4	0	3	1	-----
Subtotal fish	1	0	-----	1	-----
6134 fish (not shellfish)	1	0	-----	1	-----
6136 shellfish	0	0	-----	-----	-----
Subtotal grain	0	-----	0	-----	-----
6344 corn	0	-----	0	-----	-----
Subtotal oilseeds	0	-----	0	-----	-----
6522 soybeans	0	-----	0	-----	-----
Subtotal processed grain and animal feed	0	-----	0	-----	-----
6781 hay & fodder	0	-----	0	-----	-----
Subtotal other agricultural products	2	0	2	-----	-----
6811 meat, fresh, frozen	0	-----	0	-----	-----
6838 tallow, animal oils	2	-----	2	-----	-----
6839 animals & prod. nec	1	-----	1	-----	-----
6885 alcoholic beverages	0	0	0	-----	-----
6889 food products nec	0	-----	0	-----	-----
Total all manufactured equipment, machinery and products	1	1	0	0	0
7110 machinery (not elec)	0	0	0	-----	-----
7120 electrical machinery	0	0	-----	-----	-----
7210 vehicles & parts	0	0	-----	0	-----
7230 ships & boats	0	-----	-----	-----	0
7400 manufac. wood prod.	0	0	-----	-----	-----
7500 textile products	0	0	-----	-----	-----
7600 rubber & plastic pr.	0	0	-----	-----	-----
7900 manufac. prod. nec	0	0	-----	-----	-----

ANACORTES HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	10,690	8,309	1,096	193	1,078	14
Total petroleum and petroleum products	10,602	8,308	1,096	139	1,044	14
Subtotal crude petroleum	8,301	8,301	-----	-----	-----	-----
2100 crude petroleum	8,301	8,301	-----	-----	-----	-----
Subtotal petroleum products	2,301	7	1,096	139	1,044	14
2211 gasoline	719	7	334	-----	378	-----
2330 distillate fuel oil	477	-----	234	32	206	4
2340 residual fuel oil	1,027	-----	527	70	424	5
2350 lube oil & greases	62	-----	-----	22	36	5
2429 naphtha & solvents	15	-----	-----	15	-----	-----
2640 liquid natural gas	0	-----	-----	-----	0	-----
Total crude materials, inedible except fuels	81	-----	-----	49	32	-----
Subtotal forest products, wood and chips	81	-----	-----	49	32	-----
4170 wood in the rough	80	-----	-----	48	32	-----
4189 lumber	1	-----	-----	0	0	-----
Total primary manufactured goods	1	-----	-----	1	0	-----
Subtotal lime, cement and glass	1	-----	-----	1	0	-----
5290 misc. mineral prod.	1	-----	-----	1	0	-----
Subtotal primary non-ferrous metal products	0	-----	-----	-----	0	-----
5480 fab. metal products	0	-----	-----	-----	0	-----
Total food and farm products	5	1	-----	3	0	-----
Subtotal fish	5	1	-----	3	0	-----
6134 fish (not shellfish)	3	1	-----	3	0	-----
6136 shellfish	1	0	-----	1	-----	-----
Total all manufactured equipment, machinery and products	2	0	0	0	1	-----
7110 machinery (not elec)	0	-----	-----	0	0	-----
7210 vehicles & parts	1	-----	-----	-----	1	-----
7400 manufac. wood prod.	0	-----	0	0	0	-----
7900 manufac. prod. nec	0	0	0	-----	0	-----

BELLINGHAM BAY AND HARBOR, WA

Section Included: Bellingham Bay and Chuckanut Bay from the wharf of the Olympic Portland Cement Company on the north to and including Chuckanut Inter-Island Ferry Slip on the south. Controlling Depth: Whatcom Creek Waterway, 8.9 to 25.8 feet; Squalicum Creek Waterway, 23.2 feet, from deep water to turning basin, 19.7 feet in turning basin, 11.8 feet from sta. 16 + 00 to 5 + 40; I & J St. Waterway, 11.0 ft. Project Depth: Whatcom Creek Waterway, 18 to 30 feet; Squalicum Creek Waterway, 26 feet over the entire waterway. I & J Street Waterway 18 feet over the entire waterway. All depths refer to mllw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	1,327	1990	1,303
1986	1,776	1991	1,482
1987	2,104	1992	1,383
1988	1,867	1993	1,223
1989	1,769	1994	1,343

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	717	38	365	101	213
Total petroleum and petroleum products	171	-----	133	4	34
Subtotal petroleum products	171	-----	133	4	34
2211 gasoline	4	-----	-----	4	-----
2330 distillate fuel oil	102	-----	80	-----	22
2340 residual fuel oil	65	-----	53	-----	12
2350 lube oil & greases	0	-----	0	-----	-----
Total chemicals and related products	67	-----	45	-----	22
Subtotal other chemicals and related products	67	-----	45	-----	22
3240 nitrogen func. comp.	0	-----	-----	-----	0
3274 sodium hydroxide	1	-----	-----	-----	1
3275 inorg. elem., oxides, & halogen salts	1	-----	-----	-----	1
3276 metallic salts	20	-----	-----	-----	20
3291 pesticides	0	-----	-----	-----	0
3292 starches, gluten, glue	0	-----	-----	-----	0
3298 wood & resin chem.	45	-----	45	-----	-----
Total crude materials, inedible except fuels	372	35	96	92	148
Subtotal forest products, wood and chips	143	-----	6	52	85
4161 wood chips	87	-----	-----	2	85
4170 wood in the rough	56	-----	5	51	-----
4189 lumber	0	-----	0	-----	-----
Subtotal pulp and waste paper	91	-----	91	0	0
4225 pulp & waste paper	91	-----	91	0	0
Subtotal soil, sand, gravel, rock and stone	106	4	-----	39	63
4322 limestone	32	-----	-----	32	-----
4323 gypsum	15	4	-----	8	4
4331 sand & gravel	59	-----	-----	-----	59

BELLINGHAM BAY AND HARBOR, WA
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal non-ferrous ores and scrap	31	31	-----	-----	-----
4650 aluminum ore	31	31	-----	-----	-----
Total primary manufactured goods	67	2	62	1	1
Subtotal paper products	3	-----	1	1	-----
5110 newsprint	3	-----	1	1	-----
Subtotal lime, cement and glass	0	0	-----	-----	0
5290 misc. mineral prod.	0	0	-----	-----	0
Subtotal primary iron and steel products	3	2	-----	-----	1
5330 i&s plates & sheets	2	2	-----	-----	-----
5370 i&s pipe & tube	0	0	-----	-----	-----
5390 primary i&s nec	1	-----	-----	-----	1
Subtotal primary non-ferrous metal products	61	-----	61	-----	0
5422 aluminum	61	-----	61	-----	-----
5480 fab. metal products	0	-----	-----	-----	0
Total food and farm products	34	0	28	3	2
Subtotal fish	4	-----	-----	3	1
6134 fish (not shellfish)	4	-----	-----	3	1
Subtotal vegetable products	8	-----	8	-----	-----
6654 vegetables & prod.	8	-----	8	-----	-----
Subtotal processed grain and animal feed	0	-----	-----	-----	0
6782 animal feed, prep.	0	-----	-----	-----	0
Subtotal other agricultural products	21	0	20	-----	1
6811 meat, fresh, frozen	12	-----	12	-----	-----
6817 meat, prepared	0	-----	0	-----	-----
6822 dairy products	0	-----	0	-----	-----
6838 tallow, animal oils	7	-----	7	-----	-----
6839 animals & prod. nec	1	-----	-----	-----	1
6857 fruit & nuts nec	0	-----	0	-----	-----
6858 fruit juices	0	-----	0	-----	0
6885 alcoholic beverages	0	-----	0	-----	0
6889 food products nec	0	-----	0	-----	0
6899 farm products nec	0	0	-----	-----	-----
Total all manufactured equipment, machinery and products	7	0	0	0	6
7110 machinery (not elec)	6	-----	0	-----	6
7120 electrical machinery	0	-----	0	-----	0
7210 vehicles & parts	0	-----	0	-----	-----
7230 ships & boats	0	-----	-----	0	0
7400 manufac. wood prod.	0	-----	-----	-----	0
7500 textile products	0	-----	0	-----	0
7900 manufac. prod. nec	1	0	0	-----	1
Total unknown or not elsewhere classified	0	-----	0	0	0
9900 unknown or nec	0	-----	0	0	0

BELLINGHAM BAY AND HARBOR, WA
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	626	324	125	66	111
Total petroleum and petroleum products	23	1	4	2	15
Subtotal petroleum products	23	1	4	2	15
2211 gasoline	1	1			
2330 distillate fuel oil	4		4		
2340 residual fuel oil	2			2	
2429 naphtha & solvents	15				15
Total chemicals and related products	86		86		
Subtotal other chemicals and related products	86		86		
3220 alcohols	2		2		
3298 wood & resin chem.	84		84		
Total crude materials, inedible except fuels	440	320	34	49	37
Subtotal forest products, wood and chips	300	201	34	28	37
4150 fuel wood	22	22			
4161 wood chips	177	177			
4170 wood in the rough	65			28	37
4189 lumber	37	3	34		
Subtotal pulp and waste paper	21			21	
4225 pulp & waste paper	21			21	
Subtotal other non-metal. min.	119	119			
4900 non-metal. min. nec	119	119			
Total primary manufactured goods	61			2	59
Subtotal lime, cement and glass	61			2	59
5220 cement & concrete	59			2	57
5290 misc. mineral prod.	2				2
Total food and farm products	16	2		13	
Subtotal fish	16	2		13	
6134 fish (not shellfish)	14	2		13	
6136 shellfish	1	0		1	
Total all manufactured equipment, machinery and products	1	0	1		
7110 machinery (not elec)	1		1		
7900 manufac. prod. nec	0	0			

Other Harbors and Waterways

Harbor or Waterway	Commodity	Tons Thousand
Project		
BLAINE HARBOR, WA	3276 metallic salts	0
	3285 perfumes & cleansers	0
	4189 lumber	0
	4225 pulp & waste paper	0
	5120 paper & paperboard	0
	5190 paper products nec	0
	5290 misc. mineral prod.	0
	5370 i&s pipe & tube	0
	5429 smelted prod. nec	0
	5480 fab. metal products	0
	5540 primary wood prod.	0
	6134 fish (not shellfish)	1
	6747 grain mill products	0
	6782 animal feed, prep.	0
	6835 fish, prepared	0
	6885 alcoholic beverages	0
	6889 food products nec	0
	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	3
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WA	No Commerce Reported	
FLATHEAD LAKE, MT	No Commerce Reported	
HOQUIAM RIVER, WA	No Commerce Reported	
KOOTENAI RIVER, ID AND MT	No Commerce Reported	
NEAH BAY, WA	5480 fab. metal products	0
	6134 fish (not shellfish)	2
	6136 shellfish	1
	7110 machinery (not elec)	0
	Total Tons(x1000)	3
QUILLAYUTE RIVER, WA	6134 fish (not shellfish)	8
	6136 shellfish	7
	Total Tons(x1000)	15
	Total Ton-miles(x1000)	15
SKAGIT RIVER, WA	6134 fish (not shellfish)	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
STILLAGUAMISH RIVER, WA	No Commerce Reported	

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Project		
WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WA	4170 wood in the rough	159
	Total Tons(x1000)	159
	Total Ton-miles(x1000)	910
WILLAPA RIVER AND HARBOR, AND NASELLE RIVER, WA	4161 wood chips	24
	6134 fish (not shellfish)	0
	6136 shellfish	1
	Total Tons(x1000)	26
Non-project		
COEUR D ALENE LAKE AND ST. JOE RIVER, ID	4170 wood in the rough	576
	Total Tons(x1000)	576
	Total Ton-miles(x1000)	9,069
OTHER PUGET SOUND AREA PORTS, WA (NET)	2100 crude petroleum	14,853
	2211 gasoline	1,883
	2221 kerosene	60
	2330 distillate fuel oil	827
	2340 residual fuel oil	1,439
	2350 lube oil & greases	177
	2429 naphtha & solvents	148
	2430 asphalt, tar & pitch	85
	2640 liquid natural gas	118
	2990 petro. products nec	2
	4170 wood in the rough	912
	4189 lumber	1
	4225 pulp & waste paper	0
	4323 gypsum	8
	4331 sand & gravel	2,873
	4650 aluminum ore	276
	4690 non-ferrous ores nec	0
	4782 clay & refrac. mat.	63
	4900 non-metal. min. nec	0
	5290 misc. mineral prod.	1
	5480 fab. metal products	1
	6134 fish (not shellfish)	1
	6136 shellfish	1
	6782 animal feed, prep.	0
	6889 food products nec	0
	7110 machinery (not elec)	1
	7210 vehicles & parts	1
	7230 ships & boats	0
	7400 manufac. wood prod.	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	0
	8900 waste and scrap nec	0
	Total Tons(x1000)	23,730

METLAKATLA HARBOR, AK

Section Included: From the boat basin west of Village Point to and including the exiting Chip Mill Dock east of the present City Dock. Controlling Depth: 25 feet at base of cannery wharf, 10 feet in boat basin, 40 feet at City Dock and 15 feet at Chip Mill Dock. Project Depth: 10 feet in present boat basin and 15 feet in proposed boat basin. All depths refer to mllw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	135	1990	546
1986	220	1991	490
1987	471	1992	554
1988	180	1993	683
1989	568	1994	560

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign	Canadian	Domestic				
		Exports	Imports	Total	Coastwise		Internal	
					Receipts	Shipments	Receipts	Shipments
Total, all commodities	560	210	4	346	11	13	235	87
Total coal	0	-----	-----	0	0	-----	-----	-----
1100 coal lignite	0	-----	-----	0	0	-----	-----	-----
Total petroleum and petroleum products	1	-----	-----	1	0	-----	1	-----
Subtotal petroleum products	1	-----	-----	1	0	-----	1	-----
2211 gasoline	0	-----	-----	0	-----	-----	0	-----
2330 distillate fuel oil	0	-----	-----	0	-----	-----	0	-----
2990 petro. products nec	0	-----	-----	0	0	-----	-----	-----
Total chemicals and related products	0	-----	-----	0	0	0	0	-----
Subtotal other chemicals and related products	0	-----	-----	0	0	0	0	-----
3293 explosives	0	-----	-----	0	-----	-----	0	-----
3299 chem. products nec	0	-----	-----	0	0	0	-----	-----
Total crude materials, inedible except fuels	544	210	4	330	7	4	233	86
Subtotal forest products, wood and chips	543	210	4	329	7	4	233	86
4110 rubber & gums	0	-----	-----	0	0	0	-----	-----
4161 wood chips	74	-----	-----	74	-----	-----	-----	74
4170 wood in the rough	406	151	4	251	7	-----	233	12
4189 lumber	63	59	-----	4	0	4	-----	0
4190 forest products nec	0	-----	-----	0	0	-----	-----	-----
Subtotal pulp and waste paper	0	-----	-----	0	0	-----	-----	-----
4225 pulp & waste paper	0	-----	-----	0	0	-----	-----	-----

METLAKATLA HARBOR, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign	Canadian	Domestic			
		Exports	Imports	Total	Coastwise		Internal
					Receipts	Shipments	Receipts Shipments
Subtotal soil, sand, gravel, rock and stone	1	-----	-----	1	-----	-----	1 -----
4331 sand & gravel	1	-----	-----	1	-----	-----	1 -----
Subtotal iron ore and scrap	0	-----	-----	0	-----	0	-----
4420 iron & steel scrap	0	-----	-----	0	-----	0	-----
Total primary manufactured goods	2	-----	-----	2	2	0	0 -----
Subtotal paper products	0	-----	-----	0	0	-----	-----
5190 paper products nec	0	-----	-----	0	0	-----	-----
Subtotal lime, cement and glass	0	-----	-----	0	0	-----	-----
5220 cement & concrete	0	-----	-----	0	0	-----	-----
5240 glass & glass prod.	0	-----	-----	0	0	-----	-----
Subtotal primary non-ferrous metal products	1	-----	-----	1	1	0	0 -----
5480 fab. metal products	1	-----	-----	1	1	0	0 -----
Total food and farm products	5	0	-----	5	1	4	-----
Subtotal other agricultural products	5	0	-----	5	1	4	-----
6885 alcoholic beverages	0	0	-----	-----	-----	-----	-----
6887 groceries	0	-----	-----	0	0	-----	-----
6889 food products nec	5	-----	-----	5	1	4	-----
Total all manufactured equipment, machinery and products	8	-----	-----	8	1	5	1 1
7110 machinery (not elec)	2	-----	-----	2	0	0	1 1
7120 electrical machinery	0	-----	-----	0	0	0	-----
7210 vehicles & parts	0	-----	-----	0	0	0	-----
7400 manufac. wood prod.	4	-----	-----	4	0	4	-----
7500 textile products	0	-----	-----	0	0	-----	-----
7600 rubber & plastic pr.	0	-----	-----	0	0	0	-----
7900 manufac. prod. nec	1	-----	-----	1	0	1	-----

KETCHIKAN HARBOR, AK

Section Included: Tongass Narrows from Point Higgins on the north to Mountain Point on the south and including Herring Bay on George Inlet. Controlling Depth: Main Harbor, adequate; small boat basins, Ketchikan Creek, 10.0 feet; Bar Point, 15 feet. Project Depth: No project depth for Main Harbor; small boat basins, 10 and 15 feet. All depths refer to mllw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	1,800	1990	1,947
1986	2,072	1991	1,568
1987	2,444	1992	1,986
1988	2,005	1993	1,564
1989	2,294	1994	1,759

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Foreign	Canadian	
		Exports	Imports	Exports
Total, all commodities	641	527	16	98
Total petroleum and petroleum products	2	-----	2	-----
Subtotal petroleum products	2	-----	2	-----
2640 liquid natural gas	2	-----	2	-----
Total chemicals and related products	1	1	0	-----
Subtotal other chemicals and related products	1	1	0	-----
3230 carboxylic acids	0	0	-----	-----
3240 nitrogen func. comp.	0	0	-----	-----
3250 organo- inorgan. comp	0	0	-----	-----
3260 organic comp. nec	0	0	-----	-----
3275 inorg. elem., oxides, & halogen salts	0	0	-----	-----
3276 metallic salts	0	0	-----	-----
3282 pigments & paints	0	0	-----	-----
3285 perfumes & cleansers	0	0	-----	-----
3286 plastics	0	0	-----	-----
3291 pesticides	0	0	-----	-----
3293 explosives	0	-----	0	-----
3297 chemical additives	0	0	-----	-----
3298 wood & resin chem.	0	0	-----	-----
3299 chem. products nec	0	0	-----	-----
Total crude materials, inedible except fuels	596	520	12	64
Subtotal forest products, wood and chips	375	344	12	19
4170 wood in the rough	312	281	12	19
4189 lumber	63	63	-----	-----
Subtotal pulp and waste paper	176	176	-----	-----
4225 pulp & waste paper	176	176	-----	-----
Subtotal non-ferrous ores and scrap	45	-----	-----	45
4690 non-ferrous ores nec	45	-----	-----	45

KETCHIKAN HARBOR, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Foreign	Canadian	
		Exports	Imports	Exports
Subtotal sulphur, clay and salt	0	0	-----	-----
4782 clay & refrac. mat.	0	0	-----	-----
Total primary manufactured goods	4	3	0	0
Subtotal paper products	0	0	-----	0
5120 paper & paperboard	0	0	-----	-----
5190 paper products nec	0	0	-----	0
Subtotal lime, cement and glass	0	-----	0	-----
5290 misc. mineral prod.	0	-----	0	-----
Subtotal primary iron and steel products	3	3	-----	-----
5330 i&s plates & sheets	3	3	-----	-----
Subtotal primary non-ferrous metal products	0	0	-----	-----
5480 fab. metal products	0	0	-----	-----
Total food and farm products	7	2	0	5
Subtotal fish	5	0	0	4
6134 fish (not shellfish)	5	0	0	4
6136 shellfish	0	-----	-----	0
Subtotal processed grain and animal feed	1	1	-----	-----
6747 grain mill products	0	0	-----	-----
6782 animal feed, prep.	1	1	-----	-----
Subtotal other agricultural products	1	0	-----	1
6835 fish, prepared	1	0	-----	1
6889 food products nec	0	0	-----	-----
Total all manufactured equipment, machinery and products	32	2	0	30
7110 machinery (not elec)	30	0	0	30
7120 electrical machinery	0	0	-----	-----
7210 vehicles & parts	2	2	0	-----
7500 textile products	0	0	-----	-----
7600 rubber & plastic pr.	0	0	0	-----
7900 manufac. prod. nec	0	0	0	-----
Total unknown or not elsewhere classified	0	-----	0	-----
9900 unknown or nec	0	-----	0	-----

KETCHIKAN HARBOR, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	1,118	311	83	630	90	5
Total coal	1	1	0	-----	-----	-----
1100 coal lignite	1	1	0	-----	-----	-----
Total petroleum and petroleum products	251	177	9	0	63	2
Subtotal petroleum products	251	177	9	0	63	2
2211 gasoline	53	42	1	0	9	0
2330 distillate fuel oil	149	87	7	-----	53	2
2340 residual fuel oil	46	46	-----	-----	-----	-----
2350 lube oil & greases	0	0	-----	0	0	-----
2640 liquid natural gas	0	0	0	0	0	-----
2990 petro. products nec	2	2	0	-----	0	-----
Total chemicals and related products	30	29	1	0	1	-----
Subtotal fertilizers	0	-----	-----	-----	0	-----
3190 fert. & mixes nec	0	-----	-----	-----	0	-----
Subtotal other chemicals and related products	30	29	1	0	0	-----
3272 sulphuric acid	1	1	-----	-----	-----	-----
3273 ammonia	0	0	-----	-----	-----	-----
3274 sodium hydroxide	18	18	-----	-----	-----	-----
3275 inorg. elem., oxides, & halogen salts	3	3	-----	-----	-----	-----
3282 pigments & paints	1	1	-----	-----	0	-----
3286 plastics	1	1	-----	-----	-----	-----
3293 explosives	0	-----	0	0	0	-----
3299 chem. products nec	6	5	1	-----	-----	-----
Total crude materials, inedible except fuels	680	14	32	620	12	1
Subtotal forest products, wood and chips	669	12	29	620	7	1
4110 rubber & gums	0	0	0	-----	-----	-----
4161 wood chips	106	-----	-----	106	-----	-----
4170 wood in the rough	532	6	4	515	6	1
4189 lumber	31	5	25	-----	1	0
4190 forest products nec	1	1	0	0	-----	-----
Subtotal pulp and waste paper	3	0	3	-----	-----	-----
4225 pulp & waste paper	3	0	3	-----	-----	-----
Subtotal soil, sand, gravel, rock and stone	5	0	-----	-----	5	-----
4331 sand & gravel	5	-----	-----	-----	5	-----
4338 soil & fill dirt	0	0	-----	-----	0	-----
Subtotal iron ore and scrap	1	-----	1	0	0	-----
4420 iron & steel scrap	1	-----	1	0	0	-----
Subtotal sulphur, clay and salt	2	2	-----	-----	-----	-----
4741 sulphur, (dry)	2	2	-----	-----	-----	-----
4782 clay & refrac. mat.	0	0	-----	-----	-----	-----

KETCHIKAN HARBOR, AK
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Subtotal other non-metal. min.	0	0				
4900 non-metal. min. nec	0	0				
Total primary manufactured goods	27	23	2	0	1	
Subtotal paper products	2	2	0	0	0	
5110 newsprint	1	1				
5190 paper products nec	1	1	0	0	0	
Subtotal lime, cement and glass	7	7	0	0	0	
5220 cement & concrete	3	3	0			
5240 glass & glass prod.	2	2	0	0		
5290 misc. mineral prod.	2	2			0	
Subtotal primary iron and steel products	0	0			0	
5360 i&s bars & shapes	0	0				
5370 i&s pipe & tube	0	0			0	
5390 primary i&s nec	0	0				
Subtotal primary non-ferrous metal products	18	15	2	0	1	
5480 fab. metal products	18	15	2	0	1	
Subtotal primary wood products	0	0			0	
5540 primary wood prod.	0	0			0	
Total food and farm products	37	20	13	1	3	
Subtotal fish	12	0	10	1	0	
6134 fish (not shellfish)	12	0	10	1	0	
6136 shellfish	0		0	0		
Subtotal vegetable products	0	0				
6654 vegetables & prod.	0	0				
Subtotal other agricultural products	24	20	2	0	2	
6811 meat, fresh, frozen	0	0	0			
6835 fish, prepared	1		1	0		
6858 fruit juices	0	0				
6885 alcoholic beverages	1	1				
6887 groceries	5	3			2	
6889 food products nec	18	16	2	0	0	
6891 tobacco & products	0	0				
Total all manufactured equipment, machinery and products	92	47	26	8	10	1
7110 machinery (not elec)	19	4	1	6	7	1
7120 electrical machinery	2	2	0	0	0	
7210 vehicles & parts	7	4	2	0	0	
7230 ships & boats	2	0	1	1	0	
7400 manufac. wood prod.	21	4	16	0	1	
7500 textile products	1	1	0	0		
7600 rubber & plastic pr.	0	0	0	0	0	
7900 manufac. prod. nec	40	30	7	1	2	

WRANGELL HARBOR, AK

Section Included: Shoreline of Wrangell Island from the Airplane Landing near the base of Point Shekesti to Point Highfield on the north. Controlling Depth: Main and inner harbor 10 feet. Project Depths: Both mooring basins, 10 feet at mlw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	365	1990	316
1986	386	1991	308
1987	564	1992	325
1988	524	1993	691
1989	438	1994	565

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign	Domestic				
		Exports	Total	Coastwise		Internal	
			Receipts	Shipments	Receipts	Shipments	
Total, all commodities	564	36	528	17	216	162	134
Total coal	0	-----	0	0	-----	-----	-----
1100 coal lignite	0	-----	0	0	-----	-----	-----
Total petroleum and petroleum products	8	-----	8	1	0	7	0
Subtotal petroleum products	8	-----	8	1	0	7	0
2211 gasoline	1	-----	1	0	0	1	0
2330 distillate fuel oil	7	-----	7	1	-----	6	-----
2350 lube oil & greases	0	-----	0	0	0	-----	-----
2640 liquid natural gas	0	-----	0	0	0	0	0
2990 petro. products nec	0	-----	0	0	-----	0	-----
Total chemicals and related products	1	-----	1	1	0	-----	0
Subtotal fertilizers	0	-----	0	0	-----	-----	-----
3110 nitrogenous fert.	0	-----	0	0	-----	-----	-----
3190 fert. & mixes nec	0	-----	0	0	-----	-----	-----
Subtotal other chemicals and related products	1	-----	1	1	0	-----	0
3275 inorg. elem.,oxides, & halogen salts	0	-----	0	0	-----	-----	-----
3276 metallic salts	0	-----	0	0	-----	-----	-----
3282 pigments & paints	0	-----	0	0	0	-----	-----
3299 chem. products nec	0	-----	0	0	0	-----	0
Total crude materials, inedible except fuels	504	36	467	1	182	153	131
Subtotal forest products, wood and chips	478	36	441	1	179	135	127
4110 rubber & gums	0	-----	0	0	0	-----	-----
4150 fuel wood	22	0	22	-----	22	-----	-----
4161 wood chips	158	-----	158	-----	127	-----	32

WRANGELL HARBOR, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign	Domestic			
		Exports	Total	Coastwise	Internal	
			Receipts	Shipments	Receipts	Shipments
4170 wood in the rough	235	6	229	-----	134	95
4189 lumber	62	30	32	1 31	1	-----
4190 forest products nec	0	-----	0	0	-----	-----
Subtotal pulp and waste paper	0	-----	0	0	-----	-----
4225 pulp & waste paper	0	-----	0	0	-----	-----
Subtotal soil, sand, gravel, rock and stone	23	-----	23	-----	18	5
4331 sand & gravel	23	-----	23	-----	18	5
Subtotal iron ore and scrap	1	-----	1	0	1	0
4420 iron & steel scrap	1	-----	1	0	1	0
Subtotal non-ferrous ores and scrap	3	-----	3	-----	3	-----
4690 non-ferrous ores nec	3	-----	3	-----	3	-----
Subtotal other non-metal. min.	0	-----	0	0	-----	-----
4900 non-metal. min. nec	0	-----	0	0	-----	-----
Total primary manufactured goods	4	-----	4	4	0	0
Subtotal paper products	0	-----	0	0	-----	-----
5190 paper products nec	0	-----	0	0	-----	-----
Subtotal lime, cement and glass	2	-----	2	2	0	0
5220 cement & concrete	1	-----	1	1	0	0
5240 glass & glass prod.	1	-----	1	1	0	-----
5290 misc. mineral prod.	0	-----	0	0	0	-----
Subtotal primary iron and steel products	0	-----	0	0	-----	-----
5360 i&s bars & shapes	0	-----	0	0	-----	-----
5370 i&s pipe & tube	0	-----	0	0	-----	-----
5390 primary i&s nec	0	-----	0	0	-----	-----
Subtotal primary non-ferrous metal products	2	-----	2	2	0	0
5480 fab. metal products	2	-----	2	2	0	0
Subtotal primary wood products	0	-----	0	0	0	-----
5540 primary wood prod.	0	-----	0	0	0	-----
Total food and farm products	6	0	6	3	3	0
Subtotal fish	2	0	2	-----	2	-----
6134 fish (not shellfish)	2	0	2	-----	2	-----
Subtotal vegetable products	0	-----	0	0	-----	-----
6654 vegetables & prod.	0	-----	0	0	-----	-----
Subtotal other agricultural products	4	-----	4	3	1	0
6811 meat, fresh, frozen	0	-----	0	0	-----	-----
6835 fish, prepared	0	-----	0	-----	0	0
6858 fruit juices	0	-----	0	0	-----	-----
6885 alcoholic beverages	0	-----	0	0	-----	-----
6887 groceries	0	-----	0	0	0	-----

WRANGELL HARBOR, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign	Domestic			
		Exports	Total	Coastwise	Internal	
				Receipts Shipments	Receipts Shipments	
6889 food products nec	4	-----	4	3	1	-----
Total all manufactured equipment, machinery and products	41	-----	41	7	30	2 2
7110 machinery (not elec)	6	-----	6	2	1	1 2
7120 electrical machinery	0	-----	0	0	-----	-----
7210 vehicles & parts	1	-----	1	1	0	0 0
7230 ships & boats	0	-----	0	0	0	0 0
7400 manufac. wood prod.	29	-----	29	1	27	1 -----
7500 textile products	0	-----	0	0	0	-----
7600 rubber & plastic pr.	0	-----	0	0	0	-----
7900 manufac. prod. nec	4	-----	4	3	1	0 0

WRANGELL NARROWS, AK

Section Included: Entire 24 mile long waterway. Controlling Depth: 26 feet in the anchorage basin and 24 feet in the authorized channel with exception of the area near Colorado Reef where a depth of 21.6 feet exists. Project Depth: 27 feet through Petersburg Bar; 26 feet in anchorage basin, vicinity of mile 14; all other, 24 feet. All depths refer to mlw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	751	1990	858
1986	548	1991	714
1987	875	1992	718
1988	739	1993	569
1989	939	1994	547

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	269	23	14	185	46
Total petroleum and petroleum products	13	2	-----	8	3
Subtotal petroleum products	13	2	-----	8	3
2211 gasoline	6	2	-----	1	3
2330 distillate fuel oil	2	0	-----	2	-----
2350 lube oil & greases	1	-----	-----	1	0
2540 petroleum coke	0	-----	-----	0	-----
2640 liquid natural gas	2	0	-----	2	0

WRANGELL NARROWS, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
2990 petro. products nec	1	-----	-----	1	-----
Total chemicals and related products	3	1	0	3	0
Subtotal fertilizers	0	-----	-----	0	-----
3110 nitrogenous fert.	0	-----	-----	0	-----
3190 fert. & mixes nec	0	-----	-----	0	-----
Subtotal other chemicals and related products	3	1	0	2	0
3220 alcohols	1	0	-----	1	-----
3273 ammonia	0	-----	0	-----	-----
3275 inorg. elem., oxides, & halogen salts	0	-----	-----	0	-----
3276 metallic salts	0	-----	-----	0	-----
3282 pigments & paints	1	1	-----	1	-----
3286 plastics	0	-----	-----	0	-----
3293 explosives	0	0	-----	0	-----
3299 chem. products nec	0	-----	-----	0	0
Total crude materials, inedible except fuels	43	1	0	31	11
Subtotal forest products, wood and chips	32	1	-----	30	1
4150 fuel wood	0	-----	-----	0	-----
4170 wood in the rough	21	-----	-----	20	1
4189 lumber	11	1	-----	10	0
4190 forest products nec	0	-----	-----	0	-----
Subtotal pulp and waste paper	0	-----	-----	0	0
4225 pulp & waste paper	0	-----	-----	0	0
Subtotal soil, sand, gravel, rock and stone	0	-----	-----	0	-----
4331 sand & gravel	0	-----	-----	0	-----
4338 soil & fill dirt	0	-----	-----	0	-----
Subtotal iron ore and scrap	9	-----	0	-----	9
4420 iron & steel scrap	9	-----	0	-----	9
Subtotal non-ferrous ores and scrap	0	-----	0	-----	-----
4690 non-ferrous ores nec	0	-----	0	-----	-----
Subtotal other non-metal. min.	1	0	-----	1	0
4900 non-metal. min. nec	1	0	-----	1	0
Total primary manufactured goods	31	5	-----	26	1
Subtotal paper products	7	1	-----	6	0
5110 newsprint	0	-----	-----	0	-----
5190 paper products nec	7	1	-----	5	0
Subtotal lime, cement and glass	11	0	-----	11	0
5220 cement & concrete	1	0	-----	1	-----
5240 glass & glass prod.	0	0	-----	0	-----
5290 misc. mineral prod.	10	0	-----	10	0
Subtotal primary iron and steel products	0	-----	-----	0	-----
5360 i&s bars & shapes	0	-----	-----	0	-----
5370 i&s pipe & tube	0	-----	-----	0	-----
5390 primary i&s nec	0	-----	-----	0	-----

WRANGELL NARROWS, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Subtotal primary non-ferrous metal products	12	3	-----	9	0
5422 aluminum	0	-----	-----	-----	0
5480 fab. metal products	12	3	-----	9	0
Subtotal primary wood products	1	-----	-----	1	-----
5540 primary wood prod.	1	-----	-----	1	-----
Total food and farm products	68	2	12	38	16
Subtotal fish	27	0	11	1	14
6134 fish (not shellfish)	27	0	11	1	14
6136 shellfish	0	-----	0	-----	0
Subtotal vegetable products	0	0	-----	0	0
6654 vegetables & prod.	0	0	-----	0	0
Subtotal processed grain and animal feed	0	-----	-----	0	-----
6781 hay & fodder	0	-----	-----	0	-----
6782 animal feed, prep.	0	-----	-----	0	-----
Subtotal other agricultural products	41	2	1	36	2
6811 meat, fresh, frozen	0	0	-----	0	0
6835 fish, prepared	1	-----	1	-----	-----
6858 fruit juices	0	0	-----	0	0
6885 alcoholic beverages	5	1	0	4	1
6887 groceries	23	-----	-----	22	1
6889 food products nec	11	1	-----	10	-----
6899 farm products nec	0	-----	-----	0	-----
Total all manufactured equipment, machinery and products	111	13	2	80	16
7110 machinery (not elec)	7	1	0	4	1
7120 electrical machinery	5	1	-----	4	0
7210 vehicles & parts	10	1	0	6	3
7220 aircraft & parts	0	-----	-----	0	0
7230 ships & boats	1	0	0	0	0
7300 ordnance & access.	0	-----	-----	0	-----
7400 manufac. wood prod.	8	1	-----	7	0
7500 textile products	2	0	-----	1	0
7600 rubber & plastic pr.	3	1	0	2	0
7900 manufac. prod. nec	75	8	1	54	12
Ton-miles (x1000)	7,603		333		1,335
Coastwise		505		5,430	

WRANGELL NARROWS, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	278	13	1	2	1	49	212
Total petroleum and petroleum products	51	11	0	0	0	39	0
Subtotal petroleum products	51	11	0	0	0	39	0
2211 gasoline	8	1	0	0		6	0
2330 distillate fuel oil	43	10				33	0
2350 lube oil & greases	0	0					0
2640 liquid natural gas	0	0			0	0	0
2990 petro. products nec	0					0	
Total chemicals and related products	1	0				1	0
Subtotal fertilizers	0					0	
3190 fert. & mixes nec	0					0	
Subtotal other chemicals and related products	1	0				1	0
3293 explosives	1	0				0	0
3299 chem. products nec	0					0	
Total crude materials, inedible except fuels	211	1	0	0	0	3	207
Subtotal forest products, wood and chips	207	0	0	0	0	0	207
4170 wood in the rough	207		0	0	0	0	207
4189 lumber	0	0				0	
Subtotal soil, sand, gravel, rock and stone	3	1	0			2	
4331 sand & gravel	3	1	0			2	
4338 soil & fill dirt	0					0	
Subtotal iron ore and scrap	0					0	0
4410 iron ore	0					0	
4420 iron & steel scrap	0						0
Subtotal sulphur, clay and salt	0		0				
4782 clay & refrac. mat.	0		0				
Total primary manufactured goods	1	0	0	0		1	0
Subtotal paper products	0	0				0	0
5190 paper products nec	0	0				0	0
Subtotal lime, cement and glass	0		0	0		0	0
5220 cement & concrete	0		0	0		0	
5240 glass & glass prod.	0					0	0
5290 misc. mineral prod.	0			0		0	0
Subtotal primary iron and steel products	0					0	
5370 i&s pipe & tube	0					0	
Subtotal primary non-ferrous metal products	0	0	0			0	0
5480 fab. metal products	0	0	0			0	0

WRANGELL NARROWS, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal primary wood products	0	-----	-----	-----	-----	0	-----
5540 primary wood prod.	0	-----	-----	-----	-----	0	-----
Total food and farm products	4	0	-----	0	0	2	1
Subtotal fish	1	0	-----	0	0	0	1
6134 fish (not shellfish) -	1	0	-----	0	0	0	1
6136 shellfish	0	-----	-----	-----	0	-----	0
Subtotal other agricultural products	2	0	-----	-----	0	2	0
6835 fish, prepared	0	-----	-----	-----	0	0	-----
6887 groceries	2	0	-----	-----	0	2	-----
6889 food products nec	0	-----	-----	-----	-----	0	0
Total all manufactured equipment, machinery and products	11	1	1	2	0	3	4
7110 machinery (not elec)	5	0	0	0	0	1	2
7210 vehicles & parts	0	0	0	0	0	0	0
7230 ships & boats	0	-----	0	0	-----	0	0
7400 manufac. wood prod.	0	-----	-----	-----	0	0	0
7500 textile products	0	-----	-----	-----	-----	-----	0
7600 rubber & plastic pr.	0	-----	0	-----	-----	0	0
7900 manufac. prod. nec	5	0	0	1	0	1	1
Ton-miles (x1000)	8,829		3		19		7,002
Internal		326		6		1,473	
Tons All Traffic (x1000)	547						
Ton-miles All Traffic (x1000)	16,433						

HOONAH HARBOR, AK

Section Included: Hoonah is located on the eastern shore of Port Frederick, a deep tidal fjord on the northeastern shore of Chichagof Island in southeastern Alaska. Consists of an authorized small-boat basin 16 acres in extent, and an entrance channel and turning basin; with the entrance channel 100 feet wide and 400 feet long (widening to 150 feet for 600 feet along the western edge of the basin) all to a depth of 18.5 feet below mean lower low water. Controlling Depth: 16 feet. Project Depth: 18 feet.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	166	1990	219
1986	167	1991	207
1987	144	1992	405
1988	297	1993	456
1989	185	1994	299

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign	Canadian	Domestic			
		Exports	Exports	Total	Coastwise	Internal	
				Receipts	Shipments	Receipts	Shipments
Total, all commodities	299	210	28	60	14	2	43
Total petroleum and petroleum products	1	-----	-----	1	0	-----	0
Subtotal petroleum products	1	-----	-----	1	0	-----	0
2211 gasoline	0	-----	-----	0	-----	0	0
2330 distillate fuel oil	1	-----	-----	1	0	0	0
Total crude materials, inedible except fuels	293	210	28	55	13	0	41
Subtotal forest products, wood and chips	293	210	28	55	13	-----	41
4170 wood in the rough	293	210	28	55	13	1	41
4189 lumber	0	-----	-----	0	-----	0	-----
Subtotal iron ore and scrap	0	-----	-----	0	-----	0	-----
4420 iron & steel scrap	0	-----	-----	0	-----	0	-----
Total primary manufactured goods	0	-----	-----	0	0	0	-----
Subtotal paper products	0	-----	-----	0	0	-----	-----
5190 paper products nec	0	-----	-----	0	0	-----	-----
Subtotal lime, cement and glass	0	-----	-----	0	-----	0	-----
5290 misc. mineral prod.	0	-----	-----	0	-----	0	-----
Subtotal primary non-ferrous metal products	0	-----	-----	0	0	0	-----
5480 fab. metal products	0	-----	-----	0	0	0	-----

HOONAH HARBOR, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign	Canadian	Domestic				
		Exports	Exports	Total	Coastwise	Internal		
				Receipts	Shipments	Receipts	Shipments	
Total food and farm products	1	-----	-----	1	-----	1	-----	0
Subtotal fish	1	-----	-----	1	-----	1	-----	0
6134 fish (not shellfish)	1	-----	-----	1	-----	1	-----	0
Total all manufactured equipment, machinery and products	3	-----	-----	3	1	0	0	2
7110 machinery (not elec)	2	-----	-----	2	-----	-----	0	2
7210 vehicles & parts	0	-----	-----	0	0	-----	-----	-----
7400 manufac. wood prod.	0	-----	-----	0	-----	-----	0	-----
7900 manufac. prod. nec	1	-----	-----	1	1	0	-----	0

VALDEZ HARBOR, AK

Section Included: Entire waterfront from Point of Land west of Ferry Terminal easterly to Alaska Hydrotrain Dock. Eastern part of Port Valdez from the Ferry Terminal on the north to the Trans-Alaska Pipeline Terminal on the south. Controlling Depth: 12 feet in the small basin. Project Depth: 12 feet, except 20 feet at Ferry Terminal, 50 feet off the City Dock, 75 feet off the Valdez Dock, and 0.0 at Sontag & Alaska Hydrotrain Facilities. All depths refer to mllw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	99,624	1990	95,953
1986	101,118	1991	99,616
1987	106,867	1992	93,737
1988	107,145	1993	85,722
1989	95,436	1994	85,096

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign	Canadian	Domestic			
		Exports	Exports	Total	Coastwise	Internal	
				Receipts	Shipments	Receipts	Shipments
Total, all commodities	85,096	3	19	85,074	2	85,068	5
Total petroleum and petroleum products	85,052	-----	8	85,043	0	85,039	5
Subtotal crude petroleum	84,975	-----	-----	84,975	-----	84,975	-----
2100 crude petroleum	84,975	-----	-----	84,975	-----	84,975	-----

VALDEZ HARBOR, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign	Canadian	Domestic			
		Exports	Exports	Total	Coastwise	Internal	
				Receipts	Shipments	Shipments	
Subtotal petroleum products	77	-----	8	69	0	64	5
2211 gasoline	28	-----	-----	28	0	27	1
2330 distillate fuel oil	31	-----	-----	31	-----	28	3
2340 residual fuel oil	17	-----	8	9	-----	9	-----
Total chemicals and related products	1	-----	-----	1	1	0	-----
Subtotal other chemicals and related products	1	-----	-----	1	1	0	-----
3293 explosives	1	-----	-----	1	1	0	-----
Total crude materials, inedible except fuels	41	3	11	28	-----	28	0
Subtotal forest products, wood and chips	41	3	11	28	-----	28	0
4170 wood in the rough	41	3	11	28	-----	28	-----
4189 lumber	0	-----	-----	0	-----	-----	0
Total primary manufactured goods	0	-----	-----	0	-----	0	-----
Subtotal primary non-ferrous metal products	0	-----	-----	0	-----	0	-----
5480 fab. metal products	0	-----	-----	0	-----	0	-----
Total all manufactured equipment, machinery and products	2	-----	-----	2	1	1	0
7210 vehicles & parts	0	-----	-----	0	-----	-----	0
7300 ordnance & access.	2	-----	-----	2	0	1	-----
7900 manufac. prod. nec	1	-----	-----	1	1	-----	0

SEWARD HARBOR, AK

Section Included: Alaska Railroad Dock, the Seward Boat Basin including the City Dock, and the Dry Bulk Terminal. Controlling Depth: 35 feet below mean lower low water at the Railroad Dock; 15 feet in the 200 foot entrance channel to the boat basin and at the City Dock; 12.5 feet in the boat mooring area. The Dry Bulk Terminal has controlling depth of 58 feet mllw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	873	1990	846
1986	812	1991	1,181
1987	940	1992	686
1988	920	1993	862
1989	703	1994	961

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Exports	Total	Coastwise	
						Receipts	Shipments
Total, all commodities	961	37	760	95	68	27	41
Total coal	719	-----	719	-----	-----	-----	-----
1100 coal lignite	719	-----	719	-----	-----	-----	-----
Total petroleum and petroleum products	1	-----	-----	-----	1	1	-----
Subtotal petroleum products	1	-----	-----	-----	1	1	-----
2330 distillate fuel oil	1	-----	-----	-----	1	1	-----
Total crude materials, inedible except fuels	142	-----	25	95	22	0	22
Subtotal forest products, wood and chips	47	-----	25	-----	22	0	22
4161 wood chips	21	-----	-----	-----	21	-----	21
4170 wood in the rough	25	-----	25	-----	-----	-----	-----
4189 lumber	1	-----	-----	-----	1	0	0
Subtotal non-ferrous ores and scrap	95	-----	-----	95	-----	-----	-----
4690 non-ferrous ores nec	95	-----	-----	95	-----	-----	-----
Total primary manufactured goods	37	37	-----	-----	1	0	0
Subtotal lime, cement and glass	1	-----	-----	-----	1	0	0
5290 misc. mineral prod.	1	-----	-----	-----	1	0	0
Subtotal primary iron and steel products	37	37	-----	-----	-----	-----	-----
5370 i&s pipe & tube	37	37	-----	-----	-----	-----	-----
Subtotal primary non-ferrous metal products	0	-----	-----	-----	0	0	0
5480 fab. metal products	0	-----	-----	-----	0	0	0

SEWARD HARBOR, AK
Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Exports	Total	Coastwise	
						Receipts	Shipments
Total food and farm products	16	-----	16	-----	-----	-----	-----
Subtotal fish	15	-----	15	-----	-----	-----	-----
6134 fish (not shellfish)	15	-----	15	-----	-----	-----	-----
6136 shellfish	0	-----	0	-----	-----	-----	-----
Subtotal other agricultural products	0	-----	0	-----	-----	-----	-----
6835 fish, prepared	0	-----	0	-----	-----	-----	-----
Total all manufactured equipment, machinery and products	46	-----	0	-----	45	26	19
7110 machinery (not elec)	1	-----	-----	-----	1	0	1
7210 vehicles & parts	0	-----	-----	-----	0	0	-----
7230 ships & boats	0	-----	0	-----	-----	-----	-----
7400 manufac. wood prod.	1	-----	-----	-----	1	0	0
7900 manufac. prod. nec	43	-----	-----	-----	43	26	17

HOMER, AK

Section Included: The northside of Kachemak Bay including the entire Homer Spit and small boat harbor. The commercial dock facility provides 300 feet of dock space with water depth ranging from 20 to 40 feet. The 750 boat small boat harbor has a depth ranging from 20 feet to 15 feet.

Comparative Statement of Traffic
 (thousand tons)

Year	Total	Year	Total
1985	148	1990	119
1986	74	1991	82
1987	46	1992	287
1988	66	1993	472
1989	243	1994	377

Freight Traffic, 1994
 (thousand tons)

Commodity	Grand Total	Foreign		Domestic		
		Imports	Exports	Total	Coastwise	
					Receipts	Shipments
Total, all commodities	376	20	348	8	4	3
Total petroleum and petroleum products	23	20	-----	3	1	-----
Subtotal petroleum products	23	20	-----	3	1	-----
2211 gasoline	1	-----	-----	1	-----	-----

HOMER, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Domestic		
		Imports	Exports	Total	Coastwise	
					Receipts	Shipments
						Internal Receipts
2221 kerosene	20	20				
2330 distillate fuel oil	1			1	1	
2640 liquid natural gas	0			0		0
Total chemicals and related products	91		91			
Subtotal fertilizers	78		78			
3110 nitrogenous fert.	78		78			
Subtotal other chemicals and related products	13		13			
3230 carboxylic acids	0		0			
3271 sulphur (liquid)	13		13			
Total crude materials, inedible except fuels	251		248	3		3
Subtotal forest products, wood and chips	250		248	3		3
4150 fuel wood	43		43			
4161 wood chips	142		142			
4170 wood in the rough	66		63	3		
4189 lumber	0			0		0
Subtotal soil, sand, gravel, rock and stone	1			1		1
4335 waterway improv. mat	1			1		1
Subtotal non-ferrous ores and scrap	0		0			
4690 non-ferrous ores nec	0		0			
Subtotal slag	0			0		0
4860 slag	0			0		0
Total primary manufactured goods	0		0	0		0
Subtotal lime, cement and glass	0		0			
5240 glass & glass prod.	0		0			
Subtotal primary non-ferrous metal products	0			0		0
5480 fab. metal products	0			0		0
Total food and farm products	9		9			
Subtotal fish	9		9			
6134 fish (not shellfish)	9		9			
6136 shellfish	0		0			
Subtotal other agricultural products	0		0			
6858 fruit juices	0		0			
Total all manufactured equipment, machinery and products	3		0	3	2	0
7110 machinery (not elec)	0			0	0	0
7210 vehicles & parts	0		0	0	0	0
7230 ships & boats	0			0		0

HOMER, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Domestic		
		Imports	Exports	Total	Coastwise	Internal
					Receipts Shipments	Receipts
7900 manufac. prod. nec	2	-----	-----	2	2 -----	0

ANCHORAGE, AK

Section Included: Knik Arm from the Municipal Terminal on the north to and including terminal facilities on Ship Creek. Controlling Depth: 35 feet off the face of the City Dock; the approach channel north of Fire Island, to Point Woronzof, 28.5 feet. Project Depth: 35 feet. All depths refer to mllw.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	1,939	1990	1,706
1986	1,332	1991	2,309
1987	2,105	1992	2,540
1988	2,294	1993	2,470
1989	2,253	1994	2,559

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports	Exports	Total	Coastwise	Internal		
						Receipts	Shipments	Receipts	Shipments
Total, all commodities	2,559	316	524	9	1,710	1,495	175	1	38
Total coal	0	-----	-----	-----	0	-----	0	-----	-----
1100 coal lignite	0	-----	-----	-----	0	-----	0	-----	-----
Total petroleum and petroleum products	935	232	340	9	353	286	30	-----	37
Subtotal petroleum products	935	232	340	9	353	286	30	-----	37
2211 gasoline	284	-----	-----	-----	284	271	13	-----	-----
2221 kerosene	194	194	-----	-----	-----	-----	-----	-----	-----
2330 distillate fuel oil	126	39	62	9	17	-----	17	-----	-----
2340 residual fuel oil	111	-----	73	-----	37	-----	-----	-----	37
2350 lube oil & greases	13	-----	-----	-----	13	13	-----	-----	-----
2429 naphtha & solvents	123	-----	123	-----	-----	-----	-----	-----	-----

ANCHORAGE, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports	Exports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
2640 liquid natural gas	83	-----	83	-----	-----	-----	-----	-----	-----
2990 petro. products nec	2	-----	-----	-----	2	2	-----	-----	-----
Total chemicals and related products	32	-----	7	-----	25	19	7	-----	-----
Subtotal fertilizers	7	-----	6	-----	1	1	-----	-----	-----
3110 nitrogenous fert.	6	-----	6	-----	-----	-----	-----	-----	-----
3190 fert. & mixes nec	1	-----	-----	-----	1	1	-----	-----	-----
Subtotal other chemicals and related products	25	-----	1	-----	25	18	7	-----	-----
3220 alcohols	4	-----	-----	-----	4	4	-----	-----	-----
3260 organic comp. nec	1	-----	1	-----	-----	-----	-----	-----	-----
3299 chem. products nec	21	-----	-----	-----	21	14	7	-----	-----
Total crude materials, inedible except fuels	142	-----	113	0	29	29	0	-----	-----
Subtotal forest products, wood and chips	111	-----	93	-----	19	19	0	-----	-----
4170 wood in the rough	93	-----	93	-----	-----	-----	-----	-----	-----
4189 lumber	19	-----	-----	-----	19	19	0	-----	-----
Subtotal soil, sand, gravel, rock and stone	0	-----	-----	-----	0	-----	0	-----	-----
4331 sand & gravel	0	-----	-----	-----	0	-----	0	-----	-----
Subtotal iron ore and scrap	20	-----	20	-----	-----	-----	-----	-----	-----
4420 iron & steel scrap	20	-----	20	-----	-----	-----	-----	-----	-----
Subtotal non-ferrous ores and scrap	0	-----	-----	0	-----	-----	-----	-----	-----
4690 non-ferrous ores nec	0	-----	-----	0	-----	-----	-----	-----	-----
Subtotal other non-metal. min.	11	-----	-----	-----	11	11	0	-----	-----
4900 non-metal. min. nec	11	-----	-----	-----	11	11	0	-----	-----

ANCHORAGE, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports	Exports	Total	Coastwise	Internal		
					Receipts	Shipments		Receipts	Shipments
Total primary manufactured goods	151	83	0	-----	67	64	4	-----	-----
Subtotal paper products	14	-----	0	-----	13	13	-----	-----	-----
5190 paper	14	-----	0	-----	13	13	-----	-----	-----
products nec									
Subtotal lime, cement and glass	95	79	-----	-----	16	16	0	-----	-----
5220 cement & concrete	79	79	-----	-----	-----	-----	-----	-----	-----
5290 misc. mineral prod.	16	-----	-----	-----	16	16	0	-----	-----
Subtotal primary iron and steel products	5	5	-----	-----	-----	-----	-----	-----	-----
5370 i&s pipe & tube	5	5	-----	-----	-----	-----	-----	-----	-----
Subtotal primary non-ferrous metal products	38	-----	0	-----	38	34	3	-----	-----
5422 aluminum	0	-----	0	-----	-----	-----	-----	-----	-----
5480 fab. metal products	38	-----	-----	-----	38	34	3	-----	-----
Total food and farm products	846	0	63	0	781	757	24	-----	-----
Subtotal fish	86	0	62	0	23	2	21	-----	-----
6134 fish (not shellfish)	76	0	53	0	23	2	21	-----	-----
6136 shellfish	9	0	9	-----	0	-----	0	-----	-----
Subtotal processed grain and animal feed	1	-----	0	-----	0	0	-----	-----	-----
6747 grain mill products	0	-----	0	-----	-----	-----	-----	-----	-----
6782 animal feed, prep.	0	-----	0	-----	0	0	-----	-----	-----
Subtotal other agricultural products	759	-----	1	0	758	755	3	-----	-----
6835 fish, prepared	4	-----	1	0	3	-----	3	-----	-----
6839 animals & prod. nec	408	-----	-----	-----	408	408	0	-----	-----
6885 alcoholic beverages	0	-----	-----	-----	0	-----	0	-----	-----
6887 groceries	347	-----	-----	-----	347	347	-----	-----	-----
6888 water & ice	0	-----	0	-----	-----	-----	-----	-----	-----
6889 food products nec	0	-----	0	-----	-----	-----	-----	-----	-----

ANCHORAGE, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic					
		Imports	Exports	Exports	Total	Coastwise	Internal	Shipments	Receipts	Shipments
					Receipts	Shipments				
Total all manufactured equipment, machinery and products	433	0	0	-----	433	325	106	1	1	
7110 machinery (not elec)	6	0	0	-----	6	0	4	1	1	
7210 vehicles & parts	45	-----	-----	-----	45	31	15	-----	-----	
7230 ships & boats	0	-----	-----	-----	0	-----	0	-----	-----	
7400 manufac. wood prod.	16	-----	-----	-----	16	16	0	-----	-----	
7900 manufac. prod. nec	365	-----	-----	-----	365	277	87	0	0	
Total unknown or not elsewhere classified	20	0	0	-----	20	15	5	-----	-----	
9900 unknown or nec	20	0	0	-----	20	15	5	-----	-----	

KODIAK HARBOR, AK

Section Included: Channel 200 feet wide between Near Island and Kodiak Island to the King Crab, Inc. Dock in St. Paul Harbor including the boat basin. Controlling Depth: about 25 feet in the channel and 12 feet in the boat basin; 30 feet in St. Paul Harbor.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	211	1990	443
1986	200	1991	571
1987	437	1992	490
1988	287	1993	525
1989	298	1994	569

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Exports	Imports	Total	Coastwise	
					Receipts	Shipments
Total, all commodities	569	413	1	154	78	76
Total petroleum and petroleum products	36			36	35	2
Subtotal petroleum products	36			36	35	2
2211 gasoline	32			32	32	0
2330 distillate fuel oil	5			5	3	1
2350 lube oil & greases	0			0		0
Total chemicals and related products	3		1	2	0	2
Subtotal fertilizers	1		1			
3110 nitrogenous fert.	1		1			
Subtotal other chemicals and related products	2			2	0	2
3298 wood & resin chem.	0			0		0
3299 chem. products nec	2			2	0	2
Total crude materials, inedible except fuels	392	391		0	0	0
Subtotal forest products, wood and chips	14	14		0	0	0
4170 wood in the rough	14	14		0	0	0
4189 lumber	0			0		0
Subtotal iron ore and scrap	0			0		0
4420 iron & steel scrap	0			0		0
Subtotal non-ferrous ores and scrap	377	377				
4690 non-ferrous ores nec	377	377				
Subtotal other non-metal. min.	0			0	0	0
4900 non-metal. min. nec	0			0	0	0
Total primary manufactured goods	4			4	3	0
Subtotal paper products	0			0	0	0
5120 paper & paperboard	0			0		0
5190 paper products nec	0			0	0	0

KODIAK HARBOR, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign	Canadian	Domestic	
		Exports	Imports	Total	Coastwise
				Receipts	Shipments
Subtotal lime, cement and glass	3	-----	-----	3	3 0
5220 cement & concrete	3	-----	-----	3	3 -----
5290 misc. mineral prod.	0	-----	-----	0	----- 0
Subtotal primary iron and steel products	0	-----	-----	0	----- 0
5370 i&s pipe & tube	0	-----	-----	0	----- 0
Subtotal primary non-ferrous metal products	0	-----	-----	0	0 0
5480 fab. metal products	0	-----	-----	0	0 0
Total food and farm products	93	22	-----	71	32 39
Subtotal fish	39	22	-----	18	0 17
6134 fish (not shellfish)	39	22	-----	17	0 17
6136 shellfish	0	-----	-----	0	----- 0
Subtotal grain	2	-----	-----	2	----- 2
6241 wheat	0	-----	-----	0	----- 0
6442 rice	2	-----	-----	2	----- 2
Subtotal vegetable products	2	-----	-----	2	0 2
6653 vegetable oils	0	-----	-----	0	----- 0
6654 vegetables & prod.	2	-----	-----	2	0 2
Subtotal processed grain and animal feed	2	0	-----	1	----- 1
6746 wheat flour	1	-----	-----	1	----- 1
6747 grain mill products	0	-----	-----	0	----- 0
6782 animal feed, prep.	1	0	-----	1	----- 1
Subtotal other agricultural products	48	0	-----	48	32 16
6811 meat, fresh, frozen	1	-----	-----	1	0 1
6817 meat, prepared	0	-----	-----	0	----- 0
6822 dairy products	0	-----	-----	0	----- 0
6835 fish, prepared	10	0	-----	10	----- 10
6839 animals & prod. nec	32	0	-----	32	32 0
6856 bananas & plantains	0	-----	-----	0	----- 0
6857 fruit & nuts nec	2	-----	-----	2	----- 2
6858 fruit juices	0	-----	-----	0	0 -----
6885 alcoholic beverages	1	-----	-----	1	----- 1
6889 food products nec	2	-----	-----	2	----- 2
6891 tobacco & products	0	-----	-----	0	----- 0
Total all manufactured equipment, machinery and products	40	0	-----	40	8 32
7110 machinery (not elec)	0	-----	-----	0	0 0
7120 electrical machinery	0	-----	-----	0	----- 0
7210 vehicles & parts	0	-----	-----	0	0 0
7230 ships & boats	0	-----	-----	0	0 0
7400 manufac. wood prod.	0	0	-----	0	----- 0
7500 textile products	0	-----	-----	0	0 -----
7600 rubber & plastic pr.	0	-----	-----	0	----- 0
7900 manufac. prod. nec	39	0	-----	39	8 31

KODIAK HARBOR, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Exports	Imports	Total	Coastwise	
					Receipts	Shipments
Total unknown or not elsewhere classified	1	0	0	1	0	1
9900 unknown or nec	1	0	0	1	0	1

UNALASKA BAY AND ISLAND, AK

Section Included: Entire harbor. Controlling Depth: 25 feet in entrance channel at mean lower low water. Project Depth: 25 feet at mean lower low water.

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	414	1990	945
1986	245	1991	1,205
1987	358	1992	1,179
1988	388	1993	1,035
1989	735	1994	861

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Coastwise	Internal
						Receipts	Shipments Intraport
Total, all commodities	861	12	527	13	310	144	145
Total petroleum and petroleum products	119	7	0	12	100	56	23
Subtotal petroleum products	119	7	0	12	100	56	23
2211 gasoline	24	1			23	6	10
2221 kerosene	1	1			0	0	
2330 distillate fuel oil	84	4		12	67	43	13
2340 residual fuel oil	9		0		9	7	1
2350 lube oil & greases	0		0		0	0	
2410 petro. jelly & waxes	0		0				
2429 naphtha & solvents	0		0		0		0
2640 liquid natural gas	0				0	0	0
2990 petro. products nec	0				0	0	
Total chemicals and related products	27	0	27	0	0	0	0
Subtotal fertilizers	24		24				
3110 nitrogenous fert.	24		24				

UNALASKA BAY AND ISLAND, AK
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Intraport
		Imports	Exports	Imports	Total	Coastwise	Shipments	
					Receipts			
Subtotal other chemicals and related products	3	0	2	0	0	0	-----	
3219 other hydrocarbons	0	-----	0	-----	-----	-----	-----	
3220 alcohols	0	-----	0	0	-----	-----	-----	
3230 carboxylic acids	0	-----	0	-----	-----	-----	-----	
3240 nitrogen func. comp.	0	-----	0	-----	-----	-----	-----	
3250 organo- inorgan. comp	0	-----	0	-----	-----	-----	-----	
3260 organic comp. nec	0	0	0	-----	-----	-----	-----	
3275 inorg. elem.,oxides, & halogen salts	0	-----	0	-----	0	0	-----	
3276 metallic salts	0	0	0	-----	-----	-----	-----	
3279 inorganic chem. nec	0	-----	0	-----	-----	-----	-----	
3282 pigments & paints	0	-----	0	-----	0	0	-----	
3285 perfumes & cleansers	0	-----	0	-----	0	0	-----	
3286 plastics	1	0	1	-----	-----	-----	-----	
3291 pesticides	0	-----	-----	-----	0	0	-----	
3292 starches, gluten, glue	0	-----	0	-----	-----	-----	-----	
3297 chemical additives	0	-----	0	-----	-----	-----	-----	
3299 chem. products nec	0	-----	0	-----	0	0	0	
Total crude materials, inedible except fuels	72	3	67	0	2	2	0	
Subtotal forest products, wood and chips	63	-----	63	0	0	0	0	
4150 fuel wood	0	-----	0	-----	-----	-----	-----	
4170 wood in the rough	63	-----	63	-----	-----	-----	-----	
4189 lumber	0	-----	-----	0	0	0	0	
4190 forest products nec	0	-----	0	-----	-----	-----	-----	
Subtotal pulp and waste paper	4	-----	4	-----	-----	-----	-----	
4225 pulp & waste paper	4	-----	4	-----	-----	-----	-----	
Subtotal Iron ore and scrap	0	-----	-----	-----	0	-----	0	
4420 iron & steel scrap	0	-----	-----	-----	0	-----	0	
Subtotal other non-metal. min.	5	3	0	-----	2	2	0	
4900 non-metal. min. nec	5	3	0	-----	2	2	0	
Total primary manufactured goods	7	1	1	-----	6	5	1	
Subtotal paper products	3	0	1	-----	2	2	0	
5120 paper & paperboard	1	-----	1	-----	-----	-----	-----	
5190 paper products nec	2	0	0	-----	2	2	0	
Subtotal lime, cement and glass	0	0	0	-----	0	0	0	
5240 glass & glass prod.	0	-----	0	-----	-----	-----	-----	
5290 misc. mineral prod.	0	0	-----	-----	0	0	0	

UNALASKA BAY AND ISLAND, AK
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Intraport
		Imports	Exports	Imports	Total	Coastwise		
					Receipts	Shipments		
Subtotal primary iron and steel products	0	-----	0	-----	0	0	-----	-----
5360 i&s bars & shapes	0	-----	0	-----	0	0	-----	-----
5370 i&s pipe & tube	0	-----	0	-----	-----	-----	-----	-----
Subtotal primary non-ferrous metal products	4	0	0	-----	3	3	1	0
5480 fab. metal products	4	0	0	-----	3	3	1	0
Subtotal primary wood products	0	-----	-----	-----	0	0	0	-----
5540 primary wood prod.	0	-----	-----	-----	0	0	0	-----
Total food and farm products	569	1	431	-----	137	66	71	0
Subtotal fish	460	1	368	-----	91	21	70	0
6134 fish (not shellfish)	427	-----	342	-----	85	20	65	0
6136 shellfish	33	1	27	-----	6	1	5	-----
Subtotal oilseeds	0	-----	0	-----	-----	-----	-----	-----
6522 soybeans	0	-----	0	-----	-----	-----	-----	-----
Subtotal vegetable products	1	-----	0	-----	1	0	0	-----
6653 vegetable oils	0	-----	0	-----	-----	-----	-----	-----
6654 vegetables & prod.	1	-----	0	-----	1	0	0	-----
Subtotal processed grain and animal feed	47	-----	47	-----	0	0	0	0
6747 grain mill products	0	-----	0	-----	-----	-----	-----	-----
6782 animal feed, prep.	47	-----	47	-----	0	0	0	0
Subtotal other agricultural products	61	0	15	-----	45	44	1	0
6811 meat, fresh, frozen	1	-----	0	-----	1	1	0	-----
6817 meat, prepared	0	-----	0	-----	-----	-----	-----	-----
6822 dairy products	0	-----	0	-----	-----	-----	-----	-----
6835 fish, prepared	11	0	10	-----	0	-----	0	0
6838 tallow, animal oils	1	-----	0	-----	0	-----	0	-----
6839 animals & prod. nec	43	-----	2	-----	40	40	0	-----
6857 fruit & nuts nec	0	-----	0	-----	0	-----	0	-----
6858 fruit juices	0	-----	0	-----	0	0	0	-----
6861 sugar	0	-----	-----	-----	0	0	-----	-----
6885 alcoholic beverages	0	-----	0	-----	0	0	-----	-----
6887 groceries	3	-----	-----	-----	3	3	0	0
6889 food products nec	2	0	2	-----	0	0	-----	0
6891 tobacco & products	0	-----	0	-----	-----	-----	-----	-----
6893 cotton	0	-----	0	-----	-----	-----	-----	-----
6899 farm products nec	0	-----	0	-----	-----	-----	-----	-----
Total all manufactured equipment, machinery and products	66	0	1	-----	64	15	49	0
7110 machinery (not elec)	1	0	0	-----	1	1	-----	0
7120 electrical machinery	0	0	0	-----	-----	-----	-----	-----
7210 vehicles & parts	0	-----	0	-----	0	0	0	-----
7230 ships & boats	0	-----	0	-----	0	0	-----	-----

UNALASKA BAY AND ISLAND, AK
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Foreign		Canadian Imports	Domestic			
		Imports	Exports		Total	Coastwise Receipts	Shipments	Internal Intraport
7300 ordnance & access.	1	-----	1	-----	-----	-----	-----	-----
7400 manufac. wood prod.	0	-----	-----	-----	0	0	0	-----
7500 textile products	0	0	0	-----	0	0	0	-----
7600 rubber & plastic pr.	0	0	0	-----	0	-----	-----	0
7900 manufac. prod. nec	63	0	0	-----	63	14	49	0
Total unknown or not elsewhere classified	0	-----	0	-----	0	0	-----	-----
9900 unknown or nec	0	-----	0	-----	0	0	-----	-----

Other Harbors and Waterways

Harbor or Waterway	Commodity	Tons Thousand
Project		
BETHEL HARBOR, AK	2211 gasoline	0
	2221 kerosene	0
	2330 distillate fuel oil	7
	2350 lube oil & greases	0
	2640 liquid natural gas	0
	2990 petro. products nec	6
	3120 phosphatic fert.	0
	3190 fert. & mixes nec	0
	3220 alcohols	0
	3275 inorg. elem., oxides, & halogen salts	0
	3282 pigments & paints	0
	4150 fuel wood	0
	4170 wood in the rough	0
	4189 lumber	4
	4331 sand & gravel	3
	4420 iron & steel scrap	0
	4900 non-metal. min. nec	0
	5190 paper products nec	0
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	4
	5330 i&s plates & sheets	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	1
	5540 primary wood prod.	0
	6134 fish (not shellfish)	0
	6782 animal feed, prep.	0
	6887 groceries	1
	6889 food products nec	0
	7110 machinery (not elec)	1
	7120 electrical machinery	0
	7210 vehicles & parts	1
	7230 ships & boats	0
	7400 manufac. wood prod.	4
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	5
	Total Tons(x1000)	38
CORDOVA HARBOR, AK	2211 gasoline	1
	2330 distillate fuel oil	2
	4189 lumber	0
	4331 sand & gravel	7
	5290 misc. mineral prod.	0
	5480 fab. metal products	0
	6134 fish (not shellfish)	0
	6839 animals & prod. nec	0
	7110 machinery (not elec)	1
	7400 manufac. wood prod.	0
	7900 manufac. prod. nec	19
	Total Tons(x1000)	32
CRAIG HARBOR, AK	7110 machinery (not elec)	1
	7900 manufac. prod. nec	1
	Total Tons(x1000)	2

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Project		
DILLINGHAM HARBOR, AK	2330 distillate fuel oil	2
	2350 lube oil & greases	0
	2640 liquid natural gas	0
	3220 alcohols	0
	3260 organic comp. nec	0
	3299 chem. products nec	0
	4170 wood in the rough	0
	4189 lumber	2
	4900 non-metal. min. nec	0
	5220 cement & concrete	0
	5290 misc. mineral prod.	2
	5429 smelted prod. nec	0
	5480 fab. metal products	4
	5540 primary wood prod.	0
	6134 fish (not shellfish)	6
	6835 fish, prepared	0
	6885 alcoholic beverages	0
	6887 groceries	1
	7110 machinery (not elec)	1
	7120 electrical machinery	0
	7210 vehicles & parts	1
	7230 ships & boats	1
	7400 manufac. wood prod.	2
	7500 textile products	0
	7900 manufac. prod. nec	2
	Total Tons(x1000)	23
DOUGLAS HARBOR, AK	2640 liquid natural gas	0
	3282 pigments & paints	0
	3293 explosives	0
	4420 iron & steel scrap	0
	5190 paper products nec	0
	5290 misc. mineral prod.	0
	5480 fab. metal products	0
	6134 fish (not shellfish)	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	0
	7500 textile products	1
	7900 manufac. prod. nec	2
	Total Tons(x1000)	3
DRY PASS, AK	No Commerce Reported	
EGEGIK RIVER, AK	2211 gasoline	0
	2330 distillate fuel oil	1
	4189 lumber	0
	5290 misc. mineral prod.	0
	5480 fab. metal products	0
	6134 fish (not shellfish)	3
	6885 alcoholic beverages	0
	6887 groceries	0
	7110 machinery (not elec)	1
	7230 ships & boats	0

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Project		
EGEGIK RIVER, AK - continued	7400 manufac. wood prod.	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	6
ELFIN COVE HARBOR, AK	2211 gasoline	0
	2330 distillate fuel oil	1
	Total Tons(x1000)	1
GASTINEAU CHANNEL, AK	No Commerce Reported	
HUMBOLDT HARBOR, AK	2640 liquid natural gas	0
	3286 plastics	0
	3299 chem. products nec	0
	4900 non-metal. min. nec	0
	5190 paper products nec	0
	5480 fab. metal products	0
	5540 primary wood prod.	0
	6134 fish (not shellfish)	1
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6822 dairy products	0
	6839 animals & prod. nec	0
	6858 fruit juices	0
	6887 groceries	0
	6889 food products nec	0
	6891 tobacco & products	0
	7210 vehicles & parts	0
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	2
	Total Tons(x1000)	4
JUNEAU HARBOR, AK	2211 gasoline	8
	2221 kerosene	0
	2330 distillate fuel oil	21
	2340 residual fuel oil	0
	2350 lube oil & greases	0
	2430 asphalt, tar & pitch	5
	2540 petroleum coke	0
	2640 liquid natural gas	2
	2990 petro. products nec	0
	3110 nitrogenous fert.	0
	3190 fert. & mixes nec	0
	3220 alcohols	1
	3276 metallic salts	0
	3282 pigments & paints	0
	3286 plastics	0
	3293 explosives	0
	3299 chem. products nec	0
	4150 fuel wood	0
	4170 wood in the rough	56

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Project		
JUNEAU HARBOR, AK - continued	4189 lumber	8
	4190 forest products nec	0
	4225 pulp & waste paper	0
	4331 sand & gravel	0
	4338 soil & fill dirt	0
	4410 iron ore	0
	4420 iron & steel scrap	7
	4782 clay & refrac. mat.	0
	5110 newsprint	0
	5190 paper products nec	3
	5220 cement & concrete	1
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	9
	5422 aluminum	0
	5480 fab. metal products	5
	5540 primary wood prod.	0
	6134 fish (not shellfish)	2
	6654 vegetables & prod.	0
	6781 hay & fodder	0
	6782 animal feed, prep.	0
	6885 alcoholic beverages	3
	6887 groceries	20
	6889 food products nec	4
	6899 farm products nec	0
	7110 machinery (not elec)	5
	7120 electrical machinery	2
	7210 vehicles & parts	7
	7220 aircraft & parts	0
	7230 ships & boats	0
	7300 ordnance & access.	0
	7400 manufac. wood prod.	5
	7500 textile products	1
	7600 rubber & plastic pr.	2
	7900 manufac. prod. nec	40
	9900 unknown or nec	0
	Total Tons(x1000)	222
KAKE HARBOR, AK	3220 alcohols	0
	3293 explosives	0
	4170 wood in the rough	31
	4189 lumber	0
	4331 sand & gravel	2
	5220 cement & concrete	0
	5290 misc. mineral prod.	0
	5480 fab. metal products	0
	6134 fish (not shellfish)	2
	6835 fish, prepared	0
	6885 alcoholic beverages	0
	6889 food products nec	0
	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7230 ships & boats	0
	7400 manufac. wood prod.	0
	7900 manufac. prod. nec	2
	Total Tons(x1000)	37

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Project		
KING COVE LAGOON, AK	2350 lube oil & greases	0
	3286 plastics	0
	4189 lumber	0
	4900 non-metal. min. nec	0
	5190 paper products nec	0
	5480 fab. metal products	1
	5540 primary wood prod.	0
	6134 fish (not shellfish)	1
	6136 shellfish	0
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6858 fruit juices	0
	6885 alcoholic beverages	0
	6887 groceries	0
	6889 food products nec	0
	7110 machinery (not elec)	1
	7210 vehicles & parts	0
	7400 manufac. wood prod.	0
	7500 textile products	0
	7900 manufac. prod. nec	2
	Total Tons(x1000)	7
NAKNEK RIVER, AK	2211 gasoline	0
	2330 distillate fuel oil	5
	2340 residual fuel oil	0
	2350 lube oil & greases	0
	2540 petroleum coke	0
	2640 liquid natural gas	0
	3282 pigments & paints	0
	3286 plastics	2
	3299 chem. products nec	0
	4170 wood in the rough	0
	4189 lumber	2
	4331 sand & gravel	0
	4900 non-metal. min. nec	1
	5190 paper products nec	1
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	1
	5330 i&s plates & sheets	0
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5390 primary i&s nec	0
	5429 smelted prod. nec	1
	5480 fab. metal products	11
	5540 primary wood prod.	0
	6134 fish (not shellfish)	18
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6858 fruit juices	0
	6885 alcoholic beverages	0
	6887 groceries	1
	7110 machinery (not elec)	3
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7230 ships & boats	1

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Project		
NAKNEK RIVER, AK - continued	7400 manufac. wood prod.	3
	7900 manufac. prod. nec	10

	Total Tons(x1000)	61
	Total Ton-miles(x1000)	131
NINILCHIK HARBOR, AK	3285 perfumes & cleansers	0
	4189 lumber	0
	5290 misc. mineral prod.	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	0
	7400 manufac. wood prod.	0

	Total Tons(x1000)	0
NOME, AK	2211 gasoline	4
	2330 distillate fuel oil	10
	2350 lube oil & greases	0
	2429 naphtha & solvents	0
	2540 petroleum coke	1
	2640 liquid natural gas	0
	2990 petro. products nec	0
	3211 acyclic hydrocarbons	0
	3220 alcohols	0
	3275 inorg. elem., oxides, & halogen salts	0
	3276 metallic salts	0
	3282 pigments & paints	0
	3299 chem. products nec	0
	4170 wood in the rough	0
	4189 lumber	4
	4331 sand & gravel	30
	4900 non-metal. min. nec	0
	5190 paper products nec	0
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	4
	5330 i&s plates & sheets	0
	5370 i&s pipe & tube	1
	5480 fab. metal products	9
	5540 primary wood prod.	0
	6136 shellfish	0
	6885 alcoholic beverages	0
	6887 groceries	0
	6889 food products nec	0
	7110 machinery (not elec)	3
	7120 electrical machinery	0
	7210 vehicles & parts	1
	7230 ships & boats	0
	7400 manufac. wood prod.	3
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	2

	Total Tons(x1000)	75
OLD HARBOR, AK	2211 gasoline	0

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Project		
OLD HARBOR, AK - continued	2330 distillate fuel oil	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	0
	7230 ships & boats	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	0
PELICAN HARBOR, AK	2211 gasoline	0
	2330 distillate fuel oil	2
	6134 fish (not shellfish)	3
	7900 manufac. prod. nec	2
	Total Tons(x1000)	6
PETERSBURG HARBOR, AK	2211 gasoline	3
	2330 distillate fuel oil	10
	2350 lube oil & greases	0
	2640 liquid natural gas	0
	3220 alcohols	0
	3273 ammonia	0
	3282 pigments & paints	1
	3293 explosives	0
	4170 wood in the rough	0
	4189 lumber	1
	4331 sand & gravel	1
	4420 iron & steel scrap	0
	4690 non-ferrous ores nec	0
	4782 clay & refrac. mat.	0
	4900 non-metal. min. nec	0
	5190 paper products nec	1
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	0
	5480 fab. metal products	3
	6134 fish (not shellfish)	12
	6136 shellfish	0
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	1
	6858 fruit juices	0
	6885 alcoholic beverages	1
	6887 groceries	0
	6889 food products nec	1
	7110 machinery (not elec)	2
	7120 electrical machinery	1
	7210 vehicles & parts	2
	7230 ships & boats	1
	7400 manufac. wood prod.	1
	7500 textile products	0
	7600 rubber & plastic pr.	1
	7900 manufac. prod. nec	12
	Total Tons(x1000)	55

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Project		
PORT ALEXANDER, AK	No Commerce Reported	
SELDOVIA HARBOR, AK	4170 wood in the rough	0
	4189 lumber	0
	4335 waterway improv. mat	1
	5480 fab. metal products	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	1
SERGIUS AND WHITESTONE NARROWS, AK	2211 gasoline	1
	2330 distillate fuel oil	0
	2350 lube oil & greases	1
	2640 liquid natural gas	2
	2990 petro. products nec	1
	3190 fert. & mixes nec	0
	3220 alcohols	1
	3276 metallic salts	0
	3282 pigments & paints	1
	3286 plastics	0
	3293 explosives	0
	3299 chem. products nec	0
	4150 fuel wood	0
	4170 wood in the rough	13
	4189 lumber	6
	4225 pulp & waste paper	0
	4338 soil & fill dirt	0
	4410 iron ore	0
	4420 iron & steel scrap	0
	4900 non-metal. min. nec	1
	5110 newsprint	0
	5190 paper products nec	6
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	4
	5370 i&s pipe & tube	0
	5390 primary i&s nec	0
	5480 fab. metal products	9
	5540 primary wood prod.	1
	6134 fish (not shellfish)	12
	6136 shellfish	0
	6654 vegetables & prod.	0
	6781 hay & fodder	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	0
	6858 fruit juices	0
	6885 alcoholic beverages	2
	6887 groceries	10
	6889 food products nec	10
	7110 machinery (not elec)	8
	7120 electrical machinery	4
	7210 vehicles & parts	6
	7220 aircraft & parts	0

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Project		
SERGIUS AND WHITESTONE NARROWS, AK - continued	7230 ships & boats	0
	7400 manufac. wood prod.	4
	7500 textile products	1
	7600 rubber & plastic pr.	2
	7900 manufac. prod. nec	51
	Total Tons(x1000)	159
	Total Ton-miles(x1000)	1,707
SITKA HARBOR, AK	2211 gasoline	0
	2330 distillate fuel oil	0
	2350 lube oil & greases	0
	2640 liquid natural gas	0
	2990 petro. products nec	0
	3190 fert. & mixes nec	0
	3219 other hydrocarbons	0
	3240 nitrogen func. comp.	0
	3250 organo- inorgan. comp	0
	3276 metallic salts	0
	3282 pigments & paints	0
	3285 perfumes & cleansers	0
	3286 plastics	0
	3293 explosives	0
	3297 chemical additives	0
	3299 chem. products nec	0
	4170 wood in the rough	0
	4189 lumber	2
	4225 pulp & waste paper	6
	4338 soil & fill dirt	0
	4420 iron & steel scrap	0
	4900 non-metal. min. nec	0
	5190 paper products nec	1
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	1
	5370 i&s pipe & tube	0
	5429 smelted prod. nec	0
	5480 fab. metal products	2
	5540 primary wood prod.	0
	6134 fish (not shellfish)	11
	6136 shellfish	0
	6654 vegetables & prod.	0
	6747 grain mill products	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	0
	6858 fruit juices	0
	6885 alcoholic beverages	0
	6887 groceries	6
	6889 food products nec	2
	6893 cotton	0
	7110 machinery (not elec)	2
	7120 electrical machinery	1
	7210 vehicles & parts	2
	7230 ships & boats	0
	7400 manufac. wood prod.	1
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	13
	Total Tons(x1000)	51

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Project		
SKAGWAY HARBOR, AK	2211 gasoline	41
	2221 kerosene	1
	2330 distillate fuel oil	55
	2350 lube oil & greases	0
	3282 pigments & paints	0
	3293 explosives	0
	4170 wood in the rough	19
	4189 lumber	0
	4420 iron & steel scrap	5
	5220 cement & concrete	0
	5290 misc. mineral prod.	0
	5480 fab. metal products	1
	6134 fish (not shellfish)	0
	6885 alcoholic beverages	0
	6889 food products nec	1
	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7400 manufac. wood prod.	0
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	2
	9900 unknown or nec	0
	Total Tons(x1000)	128
STIKINE RIVER, AK	4331 sand & gravel	18
	7110 machinery (not elec)	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	18
Non-project		
AFOGNAK BAY, AK	2211 gasoline	0
	2330 distillate fuel oil	1
	4170 wood in the rough	394
	4900 non-metal. min. nec	0
	5190 paper products nec	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	0
	6134 fish (not shellfish)	11
	6136 shellfish	1
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6858 fruit juices	0
	7210 vehicles & parts	0
	7230 ships & boats	0
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	407
CHATHAM STRAIT, AK	2211 gasoline	7

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Non-project		
CHATHAM STRAIT, AK - continued	2221 kerosene	0
	2330 distillate fuel oil	24
	2350 lube oil & greases	0
	2430 asphalt, tar & pitch	5
	2640 liquid natural gas	1
	2990 petro. products nec	0
	3190 fert. & mixes nec	0
	3276 metallic salts	0
	3282 pigments & paints	0
	3286 plastics	0
	3293 explosives	0
	3299 chem. products nec	0
	4170 wood in the rough	511
	4189 lumber	3
	4225 pulp & waste paper	0
	4338 soil & fill dirt	0
	4410 iron ore	0
	4420 iron & steel scrap	2
	4782 clay & refrac. mat.	0
	4900 non-metal. min. nec	0
	5190 paper products nec	2
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	1
	5370 i&s pipe & tube	0
	5480 fab. metal products	3
	5540 primary wood prod.	0
	6134 fish (not shellfish)	13
	6136 shellfish	0
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	0
	6858 fruit juices	0
	6885 alcoholic beverages	0
	6887 groceries	6
	6889 food products nec	4
	7110 machinery (not elec)	10
	7120 electrical machinery	2
	7210 vehicles & parts	5
	7220 aircraft & parts	0
	7230 ships & boats	0
	7400 manufac. wood prod.	1
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	32
	9900 unknown or nec	0
	Total Tons(x1000)	634
	Total Ton-miles(x1000)	31,463
CLARENCE STRAIT, AK	1100 coal lignite	0
	2211 gasoline	15
	2330 distillate fuel oil	53
	2350 lube oil & greases	1
	2540 petroleum coke	0
	2640 liquid natural gas	3
	2990 petro. products nec	1
	3110 nitrogenous fert.	0

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Non-project		
CLARENCE STRAIT, AK - continued	3190 fert. & mixes nec	1
	3220 alcohols	1
	3273 ammonia	0
	3275 inorg. elem., oxides, & halogen salts	0
	3276 metallic salts	0
	3282 pigments & paints	2
	3286 plastics	0
	3293 explosives	1
	3299 chem. products nec	1
	4110 rubber & gums	0
	4150 fuel wood	22
	4161 wood chips	158
	4170 wood in the rough	1,255
	4189 lumber	133
	4190 forest products nec	0
	4225 pulp & waste paper	0
	4331 sand & gravel	3
	4338 soil & fill dirt	0
	4410 iron ore	0
	4420 iron & steel scrap	10
	4690 non-ferrous ores nec	3
	4900 non-metal. min. nec	1
	5110 newsprint	0
	5190 paper products nec	7
	5220 cement & concrete	1
	5240 glass & glass prod.	1
	5290 misc. mineral prod.	11
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5390 primary i&s nec	0
	5422 aluminum	0
	5480 fab. metal products	14
	5540 primary wood prod.	1
	6134 fish (not shellfish)	29
	6136 shellfish	0
	6654 vegetables & prod.	0
	6781 hay & fodder	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	1
	6858 fruit juices	0
	6885 alcoholic beverages	5
	6887 groceries	25
	6889 food products nec	15
	6899 farm products nec	0
	7110 machinery (not elec)	20
	7120 electrical machinery	6
	7210 vehicles & parts	12
	7220 aircraft & parts	0
	7230 ships & boats	1
	7300 ordnance & access.	0
	7400 manufac. wood prod.	37
	7500 textile products	2
	7600 rubber & plastic pr.	3
	7900 manufac. prod. nec	81
	9900 unknown or nec	0
	Total Tons(x1000)	1,938
	Total Ton-miles(x1000)	95,902

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Non-project		
FREDERICK SOUND, AK	2211 gasoline	13
	2221 kerosene	0
	2330 distillate fuel oil	40
	2350 lube oil & greases	1
	2430 asphalt, tar & pitch	5
	2540 petroleum coke	0
	2640 liquid natural gas	2
	2990 petro. products nec	1
	3110 nitrogenous fert.	0
	3190 fert. & mixes nec	0
	3220 alcohols	1
	3276 metallic salts	0
	3282 pigments & paints	1
	3286 plastics	0
	3293 explosives	1
	3299 chem. products nec	0
	4150 fuel wood	0
	4170 wood in the rough	359
	4189 lumber	11
	4190 forest products nec	0
	4225 pulp & waste paper	0
	4331 sand & gravel	2
	4338 soil & fill dirt	0
	4410 iron ore	0
	4420 iron & steel scrap	9
	4782 clay & refrac. mat.	0
	4900 non-metal. min. nec	1
	5110 newsprint	0
	5190 paper products nec	6
	5220 cement & concrete	1
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	10
	5370 i&s pipe & tube	0
	5422 aluminum	0
	5480 fab. metal products	10
	5540 primary wood prod.	1
	6134 fish (not shellfish)	18
	6136 shellfish	0
	6654 vegetables & prod.	0
	6781 hay & fodder	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	0
	6858 fruit juices	0
	6885 alcoholic beverages	4
	6887 groceries	26
	6889 food products nec	10
	6899 farm products nec	0
	7110 machinery (not elec)	11
	7120 electrical machinery	4
	7210 vehicles & parts	10
	7220 aircraft & parts	0
	7230 ships & boats	1
	7300 ordnance & access.	0
	7400 manufac. wood prod.	8
	7500 textile products	1
	7600 rubber & plastic pr.	2
	7900 manufac. prod. nec	72

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Non-project		
FREDERICK SOUND, AK - continued	9900 unknown or nec	0
	Total Tons(x1000)	644
	Total Ton-miles(x1000)	38,054
ICY STRAIT, AK	2211 gasoline	56
	2221 kerosene	1
	2330 distillate fuel oil	79
	2350 lube oil & greases	1
	2640 liquid natural gas	1
	2990 petro. products nec	1
	3190 fert. & mixes nec	0
	3282 pigments & paints	0
	3293 explosives	0
	4170 wood in the rough	525
	4189 lumber	1
	4331 sand & gravel	0
	4420 iron & steel scrap	3
	4782 clay & refrac. mat.	0
	4860 slag	0
	4900 non-metal. min. nec	1
	5190 paper products nec	1
	5220 cement & concrete	0
	5290 misc. mineral prod.	0
	5480 fab. metal products	0
	5540 primary wood prod.	0
	6134 fish (not shellfish)	8
	6835 fish, prepared	0
	6885 alcoholic beverages	0
	6887 groceries	0
	6889 food products nec	2
	7110 machinery (not elec)	12
	7210 vehicles & parts	1
	7220 aircraft & parts	0
	7230 ships & boats	0
	7400 manufac. wood prod.	1
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	13
	9900 unknown or nec	0
	Total Tons(x1000)	709
	Total Ton-miles(x1000)	22,514
NICHOLS PASSAGE, AK	1100 coal lignite	0
	2211 gasoline	0
	2330 distillate fuel oil	0
	2990 petro. products nec	0
	3293 explosives	0
	3299 chem. products nec	0
	4110 rubber & gums	0
	4161 wood chips	74
	4170 wood in the rough	406
	4189 lumber	63
	4190 forest products nec	0
	4225 pulp & waste paper	0
	4331 sand & gravel	1
	4420 iron & steel scrap	0
	5190 paper products nec	0

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Non-project		
NICHOLS PASSAGE, AK - continued	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5480 fab. metal products	1
	6885 alcoholic beverages	0
	6887 groceries	0
	6889 food products nec	5
	7110 machinery (not elec)	2
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7400 manufac. wood prod.	4
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	1
	Total Tons(x1000)	560
	Total Ton-miles(x1000)	3,406
NIKISHKA, AK	2100 crude petroleum	1,582
	2211 gasoline	48
	2221 kerosene	32
	2330 distillate fuel oil	42
	2340 residual fuel oil	683
	2640 liquid natural gas	1,233
	3110 nitrogenous fert.	413
	3273 ammonia	274
	5480 fab. metal products	0
	6134 fish (not shellfish)	4
	6136 shellfish	0
	7110 machinery (not elec)	4
	7230 ships & boats	9
	7900 manufac. prod. nec	2
	9900 unknown or nec	0
	Total Tons(x1000)	4,326
PRINCE WALES IS. WEST SIDE, AK	2211 gasoline	0
	2330 distillate fuel oil	1
	3282 pigments & paints	0
	3293 explosives	0
	4170 wood in the rough	530
	4189 lumber	13
	4190 forest products nec	0
	5480 fab. metal products	0
	5540 primary wood prod.	0
	6134 fish (not shellfish)	0
	7110 machinery (not elec)	6
	7210 vehicles & parts	0
	7230 ships & boats	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	551
REVILLAGIGADO CHANNEL, AK	1100 coal lignite	1
	2211 gasoline	42
	2330 distillate fuel oil	94

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Non-project		
REVILLAGIGADO CHANNEL, AK - continued	2340 residual fuel oil	46
	2350 lube oil & greases	1
	2540 petroleum coke	0
	2640 liquid natural gas	4
	2990 petro. products nec	3
	3110 nitrogenous fert.	0
	3190 fert. & mixes nec	0
	3220 alcohols	1
	3230 carboxylic acids	0
	3240 nitrogen func. comp.	0
	3250 organo- inorgan. comp	0
	3260 organic comp. nec	0
	3272 sulphuric acid	1
	3273 ammonia	0
	3274 sodium hydroxide	18
	3275 inorg. elem., oxides, & halogen salts	3
	3276 metallic salts	0
	3282 pigments & paints	3
	3285 perfumes & cleansers	0
	3286 plastics	1
	3291 pesticides	0
	3293 explosives	2
	3297 chemical additives	0
	3298 wood & resin chem.	0
	3299 chem. products nec	7
	4110 rubber & gums	0
	4150 fuel wood	22
	4161 wood chips	127
	4170 wood in the rough	467
	4189 lumber	139
	4190 forest products nec	1
	4225 pulp & waste paper	179
	4331 sand & gravel	3
	4338 soil & fill dirt	0
	4420 iron & steel scrap	11
	4690 non-ferrous ores nec	47
	4741 sulphur, (dry)	2
	4782 clay & refrac. mat.	0
	4900 non-metal. min. nec	1
	5110 newsprint	1
	5120 paper & paperboard	0
	5190 paper products nec	8
	5220 cement & concrete	4
	5240 glass & glass prod.	3
	5290 misc. mineral prod.	13
	5330 i&s plates & sheets	3
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5390 primary i&s nec	0
	5422 aluminum	0
	5480 fab. metal products	32
	5540 primary wood prod.	1
	6134 fish (not shellfish)	42
	6136 shellfish	0
	6654 vegetables & prod.	0
	6747 grain mill products	0
	6781 hay & fodder	0
	6782 animal feed, prep.	1

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Non-project		
REVILLAGIGADO CHANNEL, AK - continued	6811 meat, fresh, frozen	0
	6835 fish, prepared	2
	6858 fruit juices	0
	6885 alcoholic beverages	6
	6887 groceries	26
	6889 food products nec	38
	6891 tobacco & products	0
	6899 farm products nec	0
	7110 machinery (not elec)	49
	7120 electrical machinery	8
	7210 vehicles & parts	20
	7220 aircraft & parts	0
	7230 ships & boats	2
	7300 ordnance & access.	0
	7400 manufac. wood prod.	60
	7500 textile products	3
	7600 rubber & plastic pr.	4
	7900 manufac. prod. nec	115
	9900 unknown or nec	0
	Total Tons(x1000)	1,670
	Total Ton-miles(x1000)	71,695
STEPHENS PASSAGE, AK	2211 gasoline	9
	2221 kerosene	0
	2330 distillate fuel oil	27
	2340 residual fuel oil	0
	2350 lube oil & greases	1
	2430 asphalt, tar & pitch	5
	2540 petroleum coke	0
	2640 liquid natural gas	2
	2990 petro. products nec	1
	3110 nitrogenous fert.	0
	3190 fert. & mixes nec	0
	3220 alcohols	1
	3276 metallic salts	0
	3282 pigments & paints	1
	3286 plastics	0
	3293 explosives	0
	3299 chem. products nec	0
	4150 fuel wood	0
	4170 wood in the rough	110
	4189 lumber	9
	4190 forest products nec	0
	4225 pulp & waste paper	0
	4331 sand & gravel	0
	4338 soil & fill dirt	0
	4410 iron ore	0
	4420 iron & steel scrap	7
	4782 clay & refrac. mat.	0
	4900 non-metal. min. nec	1
	5110 newsprint	0
	5190 paper products nec	4
	5220 cement & concrete	1
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	10
	5370 i&s pipe & tube	0
	5422 aluminum	0

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Non-project		
STEPHENS PASSAGE, AK - continued	5480 fab. metal products	7
	5540 primary wood prod.	1
	6134 fish (not shellfish)	5
	6136 shellfish	0
	6654 vegetables & prod.	0
	6781 hay & fodder	0
	6782 animal feed, prep.	0
	6835 fish, prepared	0
	6885 alcoholic beverages	4
	6887 groceries	20
	6889 food products nec	6
	6899 farm products nec	0
	7110 machinery (not elec)	7
	7120 electrical machinery	3
	7210 vehicles & parts	8
	7220 aircraft & parts	0
	7230 ships & boats	0
	7300 ordnance & access.	0
	7400 manufac. wood prod.	7
	7500 textile products	1
	7600 rubber & plastic pr.	2
	7900 manufac. prod. nec	53
	9900 unknown or nec	0
	Total Tons(x1000)	319
	Total Ton-miles(x1000)	18,626
SUMNER STRAIT, AK	1100 coal lignite	0
	2211 gasoline	15
	2330 distillate fuel oil	51
	2350 lube oil & greases	1
	2540 petroleum coke	0
	2640 liquid natural gas	2
	2990 petro. products nec	1
	3110 nitrogenous fert.	0
	3190 fert. & mixes nec	0
	3220 alcohols	1
	3273 ammonia	0
	3275 inorg. elem., oxides, & halogen salts	0
	3276 metallic salts	0
	3282 pigments & paints	1
	3286 plastics	0
	3293 explosives	1
	3299 chem. products nec	1
	4110 rubber & gums	0
	4150 fuel wood	22
	4161 wood chips	98
	4170 wood in the rough	327
	4189 lumber	43
	4190 forest products nec	0
	4225 pulp & waste paper	0
	4331 sand & gravel	23
	4338 soil & fill dirt	0
	4410 iron ore	0
	4420 iron & steel scrap	10
	4690 non-ferrous ores nec	2
	4900 non-metal. min. nec	1
	5110 newsprint	0

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Non-project		
SUMNER STRAIT, AK - continued	5190 paper products nec	7
	5220 cement & concrete	1
	5240 glass & glass prod.	1
	5290 misc. mineral prod.	11
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5390 primary i&s nec	0
	5422 aluminum	0
	5480 fab. metal products	13
	5540 primary wood prod.	1
	6134 fish (not shellfish)	29
	6136 shellfish	0
	6654 vegetables & prod.	0
	6781 hay & fodder	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	1
	6858 fruit juices	0
	6885 alcoholic beverages	5
	6887 groceries	25
	6889 food products nec	15
	6899 farm products nec	0
	7110 machinery (not elec)	16
	7120 electrical machinery	5
	7210 vehicles & parts	11
	7220 aircraft & parts	0
	7230 ships & boats	1
	7300 ordnance & access.	0
	7400 manufac. wood prod.	37
	7500 textile products	2
	7600 rubber & plastic pr.	3
	7900 manufac. prod. nec	80
	Total Tons(x1000)	869
	Total Ton-miles(x1000)	22,483
TONGASS NARROWS, AK	1100 coal lignite	0
	2211 gasoline	15
	2330 distillate fuel oil	53
	2350 lube oil & greases	1
	2540 petroleum coke	0
	2640 liquid natural gas	2
	2990 petro. products nec	1
	3110 nitrogenous fert.	0
	3190 fert. & mixes nec	1
	3220 alcohols	1
	3273 ammonia	0
	3275 inorg. elem., oxides, & halogen salts	0
	3276 metallic salts	0
	3282 pigments & paints	2
	3286 plastics	0
	3293 explosives	1
	3299 chem. products nec	1
	4110 rubber & gums	0
	4150 fuel wood	22
	4161 wood chips	158
	4170 wood in the rough	746
	4189 lumber	44

Other Harbors and Waterways - continued

Harbor or Waterway	Commodity	Tons Thousand
Non-project		
TONGASS NARROWS, AK - continued	4190 forest products nec	0
	4225 pulp & waste paper	0
	4331 sand & gravel	2
	4338 soil & fill dirt	0
	4420 iron & steel scrap	10
	4690 non-ferrous ores nec	2
	4900 non-metal. min. nec	1
	5110 newsprint	0
	5190 paper products nec	7
	5220 cement & concrete	1
	5240 glass & glass prod.	1
	5290 misc. mineral prod.	11
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5390 primary i&s nec	0
	5422 aluminum	0
	5480 fab. metal products	14
	5540 primary wood prod.	1
	6134 fish (not shellfish)	28
	6136 shellfish	0
	6654 vegetables & prod.	0
	6781 hay & fodder	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	1
	6858 fruit juices	0
	6885 alcoholic beverages	5
	6887 groceries	25
	6889 food products nec	15
	6899 farm products nec	0
	7110 machinery (not elec)	17
	7120 electrical machinery	6
	7210 vehicles & parts	12
	7220 aircraft & parts	0
	7230 ships & boats	1
	7300 ordnance & access.	0
	7400 manufac. wood prod.	37
	7500 textile products	2
	7600 rubber & plastic pr.	3
	7900 manufac. prod. nec	80
	Total Tons(x1000)	1,333
	Total Ton-miles(x1000)	18,657

Section 2

Trips and Drafts of Vessels

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SAN DIEGO HARBOR, CA

	Inbound						Outbound					
Grand Total	11,734	11,050	10	642	30	2	11,749	11,069	10	641	27	2

FOREIGN

Total	909	887	6	10	5	1	925	905	7	8	4	1
38	---	---	---	---	---	---	1	1	---	---	---	---
36	2	1	1	---	---	---	3	3	---	---	---	---
35	6	6	---	---	---	---	5	5	---	---	---	---
34	2	2	---	---	---	---	4	4	---	---	---	---
33	2	2	---	---	---	---	2	2	---	---	---	---
32	3	3	---	---	---	---	7	7	---	---	---	---
31	3	3	---	---	---	---	2	1	1	---	---	---
30	6	5	1	---	---	---	9	9	---	---	---	---
29	7	7	---	---	---	---	6	6	---	---	---	---
28	5	4	1	---	---	---	11	11	---	---	---	---
27	8	7	1	---	---	---	8	7	1	---	---	---
26	4	4	---	---	---	---	4	2	2	---	---	---
25	11	11	---	---	---	---	16	15	1	---	---	---
24	25	24	1	---	---	---	19	19	---	---	---	---
23	4	4	---	---	---	---	7	6	1	---	---	---
22	75	74	1	---	---	---	75	75	---	---	---	---
21	16	16	---	---	---	---	14	14	---	---	---	---
20	3	3	---	---	---	---	3	2	1	---	---	---
19	14	14	---	---	---	---	15	15	---	---	---	---
≤ 18	713	697	---	10	5	1	714	701	---	8	4	1

DOMESTIC

Total	10,825	10,163	4	632	25	1	10,824	10,164	3	633	23	1
34	1	---	1	---	---	---	---	---	---	---	---	---
32	2	---	2	---	---	---	---	---	---	---	---	---
26	1	---	1	---	---	---	3	---	3	---	---	---
≤ 18	10,821	10,163	---	632	25	1	10,821	10,164	---	633	23	1
Total trips:											23,483	

LONG BEACH HARBOR, CA

	Inbound						Outbound					
Grand Total	23,048	8,269	614	11,029	2,221	915	23,072	8,293	602	11,049	2,217	911

FOREIGN

Total	1,939	1,706	209	12	11	1	1,935	1,704	207	13	11	---
57	1	---	1	---	---	---	1	---	1	---	---	---
56	1	---	1	---	---	---	1	---	1	---	---	---
55	2	---	2	---	---	---	---	---	---	---	---	---
54	---	---	---	---	---	---	1	---	1	---	---	---
52	1	---	1	---	---	---	---	---	---	---	---	---
50	---	---	---	---	---	---	1	---	1	---	---	---

WCSC: PACIFIC COAST, ALASKA AND HAWAII

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

LONG BEACH HARBOR, CA - continued
Inbound

Outbound

FOREIGN

49	1	---	1	---	---	---	2	1	1	---	---	---
48	1	---	1	---	---	---	4	4	---	---	---	---
47	2	---	2	---	---	---	4	1	3	---	---	---
46	---	---	---	---	---	---	2	---	2	---	---	---
45	---	---	---	---	---	---	4	1	3	---	---	---
44	2	---	2	---	---	---	5	3	2	---	---	---
43	4	2	2	---	---	---	11	7	4	---	---	---
42	1	1	---	---	---	---	9	7	2	---	---	---
41	4	1	3	---	---	---	12	10	2	---	---	---
40	22	13	9	---	---	---	30	25	5	---	---	---
39	40	26	14	---	---	---	56	54	2	---	---	---
38	94	77	17	---	---	---	113	104	9	---	---	---
37	80	64	16	---	---	---	51	49	2	---	---	---
36	99	88	11	---	---	---	68	66	2	---	---	---
35	94	79	15	---	---	---	81	69	12	---	---	---
34	115	113	2	---	---	---	101	96	5	---	---	---
33	98	89	9	---	---	---	80	76	4	---	---	---
32	155	146	9	---	---	---	156	148	8	---	---	---
31	108	104	4	---	---	---	93	88	5	---	---	---
30	100	95	5	---	---	---	113	105	8	---	---	---
29	101	93	7	---	1	---	75	66	9	---	---	---
28	101	95	6	---	---	---	146	135	11	---	---	---
27	96	91	5	---	---	---	108	89	19	---	---	---
26	76	66	10	---	---	---	97	83	14	---	---	---
25	93	83	10	---	---	---	84	67	16	---	1	---
24	97	84	13	---	---	---	76	62	14	---	---	---
23	69	65	3	1	---	---	61	54	7	---	---	---
22	67	60	6	---	1	---	73	58	13	---	2	---
21	52	48	4	---	---	---	64	56	8	---	---	---
20	42	38	4	---	---	---	50	46	4	---	---	---
19	31	26	4	---	1	---	19	19	---	---	---	---
≤ 18	89	59	10	11	8	1	83	55	7	13	8	---

DOMESTIC

Total	21,109	6,563	405	11,017	2,210	914	21,137	6,589	395	11,036	2,206	911
59	1	---	1	---	---	---	1	---	1	---	---	---
58	3	---	3	---	---	---	1	---	1	---	---	---
57	17	---	17	---	---	---	1	---	1	---	---	---
56	65	---	65	---	---	---	1	---	1	---	---	---
55	1	---	1	---	---	---	---	---	---	---	---	---
51	2	---	2	---	---	---	---	---	---	---	---	---
50	1	---	1	---	---	---	---	---	---	---	---	---
49	3	---	3	---	---	---	2	---	2	---	---	---
48	2	---	2	---	---	---	---	---	---	---	---	---
47	2	---	2	---	---	---	---	---	---	---	---	---
46	1	---	1	---	---	---	1	---	1	---	---	---
44	4	---	4	---	---	---	1	---	1	---	---	---
43	12	---	12	---	---	---	2	---	2	---	---	---
42	2	---	2	---	---	---	3	---	3	---	---	---
41	4	---	4	---	---	---	5	---	5	---	---	---

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

LONG BEACH HARBOR, CA - continued

Inbound

Outbound

DOMESTIC

40	2	---	2	---	---	---	1	---	1	---	---	---
39	3	---	3	---	---	---	6	---	6	---	---	---
38	5	---	5	---	---	---	13	---	13	---	---	---
37	7	---	7	---	---	---	14	---	14	---	---	---
36	9	---	9	---	---	---	18	2	16	---	---	---
35	16	2	14	---	---	---	27	4	23	---	---	---
34	6	1	5	---	---	---	20	4	16	---	---	---
33	5	1	4	---	---	---	11	5	6	---	---	---
32	18	2	16	---	---	---	22	13	9	---	---	---
31	12	4	8	---	---	---	26	17	9	---	---	---
30	6	4	2	---	---	---	27	12	15	---	---	---
29	9	2	7	---	---	---	20	8	12	---	---	---
28	8	3	5	---	---	---	16	2	14	---	---	---
27	14	10	4	---	---	---	5	---	5	---	---	---
26	15	5	10	---	---	---	10	---	10	---	---	---
25	11	5	5	---	---	1	15	1	13	---	---	1
24	3	2	1	---	---	---	4	---	3	---	---	1
23	2	---	1	---	---	1	7	---	7	---	---	---
22	3	1	2	---	---	---	2	---	2	---	---	---
21	3	---	1	---	---	2	4	---	1	---	---	3
20	618	---	8	605	---	5	618	---	5	610	---	3
19	2	---	---	---	---	2	1	---	---	---	---	1
≤ 18	20,212	6,521	166	10,412	2,210	903	20,232	6,521	177	10,426	2,206	902
										Total trips:		
										46,120		

LOS ANGELES HARBOR, CA

Inbound

Outbound

Grand Total	17,923	6,803	716	7,338	1,541	1,525	17,946	6,833	707	7,360	1,538	1,508
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FOREIGN

Total	2,338	2,170	131	18	18	1	2,343	2,213	112	9	9	---
54	---	---	---	---	---	---	1	---	1	---	---	---
52	1	---	1	---	---	---	---	---	---	---	---	---
50	---	---	---	---	---	---	1	1	---	---	---	---
48	---	---	---	---	---	---	3	2	1	---	---	---
47	1	---	1	---	---	---	2	---	2	---	---	---
46	---	---	---	---	---	---	1	---	1	---	---	---
45	---	---	---	---	---	---	1	---	1	---	---	---
44	---	---	---	---	---	---	2	---	2	---	---	---
43	---	---	---	---	---	---	2	1	1	---	---	---
42	---	---	---	---	---	---	4	4	---	---	---	---
41	2	1	1	---	---	---	2	---	---	---	---	---
40	12	9	3	---	---	---	9	7	2	---	---	---
39	19	18	1	---	---	---	20	17	3	---	---	---
38	59	53	6	---	---	---	25	23	2	---	---	---
37	77	75	2	---	---	---	35	35	---	---	---	---

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

LOS ANGELES HARBOR, CA - continued

Inbound

Outbound

FOREIGN

36	81	76	5	---	---	---	54	53	1	---	---	---
35	110	96	14	---	---	---	67	67	---	---	---	---
34	86	81	5	---	---	---	99	95	4	---	---	---
33	108	99	9	---	---	---	88	85	3	---	---	---
32	131	122	9	---	---	---	211	203	8	---	---	---
31	67	62	5	---	---	---	83	81	2	---	---	---
30	103	99	4	---	---	---	120	116	4	---	---	---
29	119	115	4	---	---	---	119	114	5	---	---	---
28	129	120	9	---	---	---	154	149	5	---	---	---
27	128	122	6	---	---	---	105	98	7	---	---	---
26	128	117	11	---	---	---	104	103	1	---	---	---
25	160	153	7	---	---	---	184	177	7	---	---	---
24	138	135	3	---	---	---	124	118	6	---	---	---
23	185	180	5	---	---	---	177	169	8	---	---	---
≤ 22	494	437	20	18	18	1	546	493	35	9	9	---

DOMESTIC

Total	15,585	4,633	585	7,320	1,523	1,524	15,603	4,620	595	7,351	1,529	1,508
54	1	---	1	---	---	---	---	---	---	---	---	---
48	1	---	1	---	---	---	---	---	---	---	---	---
44	1	---	1	---	---	---	1	---	1	---	---	---
43	3	---	3	---	---	---	---	---	---	---	---	---
40	1	---	1	---	---	---	---	---	---	---	---	---
39	1	---	1	---	---	---	---	---	---	---	---	---
38	---	---	---	---	---	---	1	---	1	---	---	---
37	11	---	11	---	---	---	3	---	3	---	---	---
36	30	---	30	---	---	---	3	---	3	---	---	---
35	45	---	45	---	---	---	7	---	7	---	---	---
34	26	---	26	---	---	---	20	14	6	---	---	---
33	20	---	20	---	---	---	18	12	6	---	---	---
32	26	---	26	---	---	---	23	12	11	---	---	---
31	25	---	25	---	---	---	11	2	9	---	---	---
30	32	2	30	---	---	---	28	8	20	---	---	---
29	18	5	13	---	---	---	40	27	13	---	---	---
28	42	29	13	---	---	---	27	6	21	---	---	---
27	61	28	21	---	---	12	41	9	32	---	---	---
26	56	33	18	---	---	5	29	4	24	---	---	1
25	51	17	14	---	---	20	29	8	21	---	---	---
24	14	4	7	---	---	3	8	1	7	---	---	---
23	2	1	1	---	---	---	4	---	3	---	---	1
≤ 22	15,118	4,514	277	7,320	1,523	1,484	15,310	4,517	407	7,351	1,529	1,506
Total trips:											35,869	

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORT HUENEME, CA

	Inbound						Outbound					
Grand Total	3,531	3,500	2	21	-----	8	3,515	3,492	2	12	1	8

FOREIGN

Total	327	325	-----	2	-----	-----	329	326	-----	2	1	-----
35	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
34	3	3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
33	1	1	-----	-----	-----	-----	1	1	-----	-----	-----	-----
32	1	1	-----	-----	-----	-----	3	3	-----	-----	-----	-----
31	1	1	-----	-----	-----	-----	2	2	-----	-----	-----	-----
30	3	3	-----	-----	-----	-----	8	8	-----	-----	-----	-----
29	5	5	-----	-----	-----	-----	3	3	-----	-----	-----	-----
28	28	28	-----	-----	-----	-----	27	27	-----	-----	-----	-----
27	18	18	-----	-----	-----	-----	27	27	-----	-----	-----	-----
26	46	46	-----	-----	-----	-----	32	32	-----	-----	-----	-----
25	58	58	-----	-----	-----	-----	57	57	-----	-----	-----	-----
24	59	59	-----	-----	-----	-----	44	44	-----	-----	-----	-----
23	24	24	-----	-----	-----	-----	32	32	-----	-----	-----	-----
22	11	11	-----	-----	-----	-----	40	39	-----	1	-----	-----
21	17	17	-----	-----	-----	-----	21	21	-----	-----	-----	-----
20	15	15	-----	-----	-----	-----	9	8	-----	-----	1	-----
19	13	13	-----	-----	-----	-----	6	6	-----	-----	-----	-----
≤ 18	23	21	-----	2	-----	-----	17	16	-----	1	-----	-----

DOMESTIC

Total	3,204	3,175	2	19	-----	8	3,186	3,166	2	10	-----	8
20	3	-----	-----	1	-----	2	3	-----	-----	3	-----	-----
≤ 18	3,201	3,175	2	18	-----	6	3,183	3,166	2	7	-----	8
Total trips:											7,046	

MISSION BAY, CA

No Vessel Trips Reported

MORRO BAY HARBOR, CA
(10 feet and less)

	Inbound						Outbound					
Grand Total	216	121	-----	95	-----	-----	216	121	-----	95	-----	-----
Total trips:											432	

NEWPORT BAY HARBOR, CA
(13 feet and less)

	Inbound						Outbound					
Grand Total	339	339	-----	-----	-----	-----	340	340	-----	-----	-----	-----
Total trips:											679	

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

REDONDO BEACH, CA
(8 feet and less)

	Inbound							Outbound				
Grand Total	875	353	-----	522	-----	-----	883	362	-----	521	-----	-----
										Total trips:		1,758

SANTA BARBARA HARBOR, CA
No Vessel Trips Reported

ELLWOOD, CA
(18 feet and less)

	Inbound							Outbound				
Grand Total	6,869	6,819	-----	24	-----	26	6,896	6,841	-----	24	-----	31
										Total trips:		13,765

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SACRAMENTO RIVER, CA

Upbound						Downbound						
Grand Total	775	655	11	53	53	3	754	647	11	48	45	3

FOREIGN

Total	89	81	4	2	2	---	87	81	4	1	1	---
33	2	1	1	---	---	---	6	6	---	---	---	---
32	1	1	---	---	---	---	10	10	---	---	---	---
31	1	1	---	---	---	---	10	10	---	---	---	---
30	2	2	---	---	---	---	7	7	---	---	---	---
29	4	3	1	---	---	---	13	13	---	---	---	---
28	6	5	1	---	---	---	12	12	---	---	---	---
27	14	13	1	---	---	---	7	6	1	---	---	---
26	5	5	---	---	---	---	2	2	---	---	---	---
25	4	4	---	---	---	---	3	2	1	---	---	---
24	7	7	---	---	---	---	3	3	---	---	---	---
23	4	4	---	---	---	---	1	1	---	---	---	---
22	7	7	---	---	---	---	2	2	---	---	---	---
21	5	5	---	---	---	---	1	1	---	---	---	---
20	8	7	---	---	1	---	5	3	2	---	---	---
19	6	4	---	1	1	---	---	---	---	---	---	---
18	7	7	---	---	---	---	---	---	---	---	---	---
17	4	3	---	1	---	---	3	1	---	1	1	---
15	1	1	---	---	---	---	1	1	---	---	---	---
14	1	1	---	---	---	---	---	---	---	---	---	---
≤ 6	---	---	---	---	---	---	1	1	---	---	---	---

DOMESTIC

Total	686	574	7	51	51	3	667	566	7	47	44	3
30	2	---	2	---	---	---	---	---	---	---	---	---
29	1	---	1	---	---	---	---	---	---	---	---	---
28	1	---	---	---	---	---	---	---	---	---	---	---
26	1	---	1	---	---	---	2	---	2	---	---	---
25	---	---	---	---	---	---	1	---	1	---	---	---
23	1	---	1	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	2	---	2	---	---	---
21	---	---	---	---	---	---	1	---	1	---	---	---
20	21	---	1	1	19	---	2	---	1	1	---	---
19	1	---	---	---	---	---	---	---	---	---	---	---
18	8	---	---	8	---	---	5	---	---	5	---	---
14	3	---	---	2	---	1	---	---	---	---	---	---
13	4	2	---	2	---	---	6	2	---	4	---	---
11	4	---	---	---	4	---	4	---	---	---	4	---
10	---	---	---	---	---	---	4	---	---	---	2	2
9	42	21	---	13	8	---	34	13	---	13	8	---
8	3	3	---	---	---	---	3	3	---	---	---	---
≤ 6	594	548	---	24	20	2	603	548	---	24	30	1
Total trips:											1,529	

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CA

Upbound

Downbound

Grand Total	130	81	11	14	22	2	118	80	11	11	14	2
--------------------	------------	-----------	-----------	-----------	-----------	----------	------------	-----------	-----------	-----------	-----------	----------

FOREIGN

Total	89	81	4	2	2	---	86	80	4	1	1	---
33	2	1	1	---	---	---	6	6	---	---	---	---
32	1	1	---	---	---	---	10	10	---	---	---	---
31	1	1	---	---	---	---	10	10	---	---	---	---
30	2	2	---	---	---	---	7	7	---	---	---	---
29	4	3	1	---	---	---	13	13	---	---	---	---
28	6	5	1	---	---	---	12	12	---	---	---	---
27	14	13	1	---	---	---	7	6	1	---	---	---
26	5	5	---	---	---	---	2	2	---	---	---	---
25	4	4	---	---	---	---	3	2	1	---	---	---
24	7	7	---	---	---	---	3	3	---	---	---	---
23	4	4	---	---	---	---	1	1	---	---	---	---
22	7	7	---	---	---	---	2	2	---	---	---	---
21	5	5	---	---	---	---	1	1	---	---	---	---
20	8	7	---	---	1	---	5	3	2	---	---	---
19	6	4	---	1	1	---	---	---	---	---	---	---
18	7	7	---	---	---	---	---	---	---	---	---	---
17	4	3	---	1	---	---	3	1	---	1	---	---
15	1	1	---	---	---	---	1	1	---	---	---	---
14	1	1	---	---	---	---	---	---	---	---	---	---

DOMESTIC

Total	41	---	7	12	20	2	32	---	7	10	13	2
30	2	---	2	---	---	---	---	---	---	---	---	---
29	1	---	1	---	---	---	---	---	---	---	---	---
28	1	---	1	---	---	---	---	---	---	---	---	---
26	1	---	1	---	---	---	2	---	2	---	---	---
25	---	---	---	---	---	---	1	---	1	---	---	---
23	1	---	1	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	2	---	2	---	---	---
21	---	---	---	---	---	---	1	---	1	---	---	---
20	21	---	1	1	19	---	2	---	1	1	---	---
19	1	---	---	1	---	---	---	---	---	---	---	---
18	8	---	---	8	---	---	5	---	---	5	---	---
14	1	---	---	---	---	1	---	---	---	---	---	---
13	2	---	---	2	---	---	4	---	---	4	---	---
10	---	---	---	---	---	---	1	---	---	---	---	1
≤ 6	2	---	---	---	1	1	14	---	---	---	13	1

Total trips: 248

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SACRAMENTO, CA

	Inbound						Outbound					
Grand Total	701	649	11	16	22	3	689	648	11	13	14	3

FOREIGN

Total	89	81	4	2	2	---	86	80	4	1	1	---
33	2	1	1	---	---	---	6	6	---	---	---	---
32	1	1	---	---	---	---	10	10	---	---	---	---
31	1	1	---	---	---	---	10	10	---	---	---	---
30	2	2	---	---	---	---	7	7	---	---	---	---
29	4	3	1	---	---	---	13	13	---	---	---	---
28	6	5	1	---	---	---	12	12	---	---	---	---
27	14	13	1	---	---	---	7	6	1	---	---	---
26	5	5	---	---	---	---	2	2	---	---	---	---
25	4	4	---	---	---	---	3	2	1	---	---	---
24	7	7	---	---	---	---	3	3	---	---	---	---
23	4	4	---	---	---	---	1	1	---	---	---	---
22	7	7	---	---	---	---	2	2	---	---	---	---
21	5	5	---	---	---	---	1	1	---	---	---	---
20	8	7	---	---	1	---	5	3	2	---	---	---
19	6	4	---	1	1	---	---	---	---	---	---	---
18	7	7	---	---	---	---	---	---	---	---	---	---
17	4	3	---	1	---	---	3	1	---	1	---	---
15	1	1	---	---	---	---	1	1	---	---	---	---
14	1	1	---	---	---	---	---	---	---	---	---	---

DOMESTIC

Total	612	568	7	14	20	3	603	568	7	12	13	3
30	2	---	2	---	---	---	---	---	---	---	---	---
29	1	---	1	---	---	---	---	---	---	---	---	---
28	1	---	1	---	---	---	---	---	---	---	---	---
26	1	---	1	---	---	---	2	---	2	---	---	---
25	---	---	---	---	---	---	1	---	1	---	---	---
23	1	---	1	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	2	---	2	---	---	---
21	---	---	---	---	---	---	1	---	1	---	---	---
20	21	---	1	1	19	---	2	---	1	1	---	---
19	1	---	---	1	---	---	---	---	---	---	---	---
18	7	---	---	7	---	---	6	---	---	6	---	---
14	3	---	---	2	---	1	---	---	---	---	---	---
13	2	---	---	2	---	---	4	---	---	4	---	---
10	---	---	---	---	---	---	2	---	---	---	---	2
9	17	17	---	---	---	---	17	17	---	---	---	---
8	3	3	---	---	---	---	3	3	---	---	---	---
≤ 6	552	548	---	1	1	2	563	548	---	1	13	1
Total trips:											1,390	

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SAN JOAQUIN RIVER, CA

Upbound							Downbound					
Grand Total	348	190	37	46	26	49	361	196	39	54	26	46

FOREIGN

Total	154	125	28	----	1	----	162	131	30	----	1	----
33	6	6	---	---	---	---	3	1	2	---	---	---
32	13	8	5	---	---	---	25	25	---	---	---	---
31	28	25	3	---	---	---	10	10	---	---	---	---
30	11	7	4	---	---	---	9	8	1	---	---	---
29	8	3	5	---	---	---	5	5	---	---	---	---
28	8	4	4	---	---	---	10	8	2	---	---	---
27	5	4	1	---	---	---	9	7	2	---	---	---
26	10	6	4	---	---	---	8	6	2	---	---	---
25	7	7	---	---	---	---	28	26	2	---	---	---
24	7	6	1	---	---	---	7	7	---	---	---	---
23	7	6	1	---	---	---	9	8	1	---	---	---
22	10	10	---	---	---	---	16	9	7	---	---	---
21	10	10	---	---	---	---	6	3	3	---	---	---
20	8	8	---	---	---	---	7	2	5	---	---	---
19	6	5	---	---	1	---	1	---	1	---	---	---
18	3	3	---	---	---	---	6	4	2	---	---	---
17	4	4	---	---	---	---	---	---	---	---	---	---
16	3	3	---	---	---	---	1	1	---	---	---	---
13	---	---	---	---	---	---	1	---	---	---	1	---
≤ 12	---	---	---	---	---	---	1	1	---	---	---	---

DOMESTIC

Total	194	65	9	46	25	49	199	65	9	54	25	46
33	1	---	1	---	---	---	1	---	1	---	---	---
32	1	---	1	---	---	---	---	---	---	---	---	---
31	2	---	2	---	---	---	---	---	---	---	---	---
30	2	---	2	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	2	---	2	---	---	---
26	---	---	---	---	---	---	1	---	1	---	---	---
25	---	---	---	---	---	---	2	---	2	---	---	---
22	2	---	2	---	---	---	3	---	3	---	---	---
21	1	---	1	---	---	---	---	---	---	---	---	---
18	7	---	---	2	---	5	6	---	---	2	---	4
17	7	---	---	5	---	2	5	---	---	4	---	1
16	1	---	---	---	---	1	---	---	---	---	---	---
15	12	---	---	---	---	12	3	---	---	---	---	3
14	3	---	---	---	---	3	6	---	---	6	---	---
13	5	---	---	4	---	1	4	---	---	4	---	---
≤ 12	150	65	---	35	25	25	166	65	---	38	25	38
Total trips:											709	

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

STOCKTON, CA

	Inbound						Outbound					
Grand Total	221	130	29	30	-----	32	237	137	31	37	-----	32

FOREIGN

Total	94	69	25	-----	-----	-----	103	76	27	-----	-----	-----
32	12	8	4	-----	-----	-----	20	20	-----	-----	-----	-----
31	6	3	3	-----	-----	-----	5	5	-----	-----	-----	-----
30	6	3	3	-----	-----	-----	8	7	1	-----	-----	-----
29	6	1	5	-----	-----	-----	3	3	-----	-----	-----	-----
28	5	1	4	-----	-----	-----	9	7	2	-----	-----	-----
27	2	1	1	-----	-----	-----	7	5	2	-----	-----	-----
26	6	2	4	-----	-----	-----	6	4	2	-----	-----	-----
25	3	3	-----	-----	-----	-----	6	4	2	-----	-----	-----
24	5	4	1	-----	-----	-----	2	-----	-----	-----	-----	-----
23	4	4	-----	-----	-----	-----	5	4	1	-----	-----	-----
22	9	9	-----	-----	-----	-----	13	6	7	-----	-----	-----
21	9	9	-----	-----	-----	-----	4	1	3	-----	-----	-----
20	7	7	-----	-----	-----	-----	6	2	4	-----	-----	-----
19	5	5	-----	-----	-----	-----	1	-----	1	-----	-----	-----
≤ 18	9	9	-----	-----	-----	-----	8	6	2	-----	-----	-----

DOMESTIC

Total	127	61	4	30	-----	32	134	61	4	37	-----	32
32	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
31	2	-----	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
30	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
29	-----	-----	-----	-----	-----	-----	1	-----	1	-----	-----	-----
26	-----	-----	-----	-----	-----	-----	1	-----	1	-----	-----	-----
25	-----	-----	-----	-----	-----	-----	2	-----	2	-----	-----	-----
≤ 18	123	61	-----	30	-----	32	130	61	-----	37	-----	32
Total trips:											458	

MIDDLE RIVER, CA
(8 feet and less)

	Upbound						Downbound					
Grand Total	2	-----	-----	-----	2	-----	2	-----	-----	-----	2	-----
Total trips:											4	

MOKELUMNE RIVER, CA
(6 feet and less)

	Upbound						Downbound					
Grand Total	1	1	-----	-----	-----	-----	1	1	-----	-----	-----	2
Total trips:											2	

OLD RIVER, CA

No Vessel Trips Reported

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SAN FRANCISCO BAY ENTRANCE, CA
Upbound

Downbound

Grand
Total 4,323 2,734 1,042 285 46 216 4,342 2,724 1,055 286 41 236

FOREIGN

Total	2,960	2,496	430	15	19	----	2,960	2,461	452	22	23	2
49	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
48	-----	-----	-----	-----	-----	-----	1	-----	1	-----	-----	-----
47	3	-----	3	-----	-----	-----	-----	-----	-----	-----	-----	-----
46	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
45	7	-----	7	-----	-----	-----	3	1	2	-----	-----	-----
44	-----	-----	-----	-----	-----	-----	3	-----	3	-----	-----	-----
43	2	2	-----	-----	-----	-----	12	2	10	-----	-----	-----
42	7	-----	7	-----	-----	-----	17	-----	17	-----	-----	-----
41	1	-----	1	-----	-----	-----	1	-----	1	-----	-----	-----
40	5	-----	5	-----	-----	-----	10	-----	10	-----	-----	-----
39	6	-----	6	-----	-----	-----	8	-----	8	-----	-----	-----
38	110	104	6	-----	-----	-----	119	108	11	-----	-----	-----
37	46	31	15	-----	-----	-----	36	22	14	-----	-----	-----
36	66	51	15	-----	-----	-----	72	61	11	-----	-----	-----
35	91	78	13	-----	-----	-----	105	88	17	-----	-----	-----
34	231	201	30	-----	-----	-----	209	186	23	-----	-----	-----
33	229	211	18	-----	-----	-----	235	213	22	-----	-----	-----
32	180	166	14	-----	-----	-----	223	197	26	-----	-----	-----
31	133	118	15	-----	-----	-----	193	166	27	-----	-----	-----
30	188	166	22	-----	-----	-----	244	219	24	-----	1	-----
29	243	213	30	-----	-----	-----	205	191	14	-----	-----	-----
28	201	169	32	-----	-----	-----	199	154	45	-----	-----	-----
27	237	211	26	-----	-----	-----	203	183	20	-----	-----	-----
26	192	139	53	-----	-----	-----	148	125	23	-----	-----	-----
25	151	126	25	-----	-----	-----	147	123	24	-----	-----	-----
24	112	81	31	-----	-----	-----	119	99	20	-----	-----	-----
23	85	75	10	-----	-----	-----	94	78	16	-----	-----	-----
22	78	70	8	-----	-----	-----	100	71	29	-----	-----	-----
21	61	52	8	-----	1	-----	43	31	8	-----	4	-----
20	75	54	18	1	2	-----	48	25	21	1	-----	1
19	35	26	3	4	2	-----	16	10	1	2	3	-----
≤ 18	183	152	7	10	14	-----	147	108	4	19	15	1

DOMESTIC

Total	1,363	238	612	270	27	216	1,382	263	603	264	18	234
50	23	-----	23	-----	-----	-----	-----	-----	-----	-----	-----	-----
49	11	-----	11	-----	-----	-----	1	-----	1	-----	-----	-----
48	2	-----	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
45	9	-----	9	-----	-----	-----	-----	-----	-----	-----	-----	-----
44	8	-----	8	-----	-----	-----	-----	-----	-----	-----	-----	-----
43	16	-----	16	-----	-----	-----	1	-----	1	-----	-----	-----
42	7	-----	7	-----	-----	-----	-----	-----	-----	-----	-----	-----
41	7	-----	7	-----	-----	-----	-----	-----	-----	-----	-----	-----
40	16	-----	16	-----	-----	-----	-----	-----	-----	-----	-----	-----
39	17	-----	17	-----	-----	-----	-----	-----	-----	-----	-----	-----
38	13	-----	13	-----	-----	-----	4	-----	4	-----	-----	-----

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SAN FRANCISCO BAY ENTRANCE, CA - continued

Upbound

Downbound

DOMESTIC

37	24	---	24	---	---	---	4	---	4	---	---	---
36	55	8	47	---	---	---	32	2	30	---	---	---
35	46	4	42	---	---	---	61	12	49	---	---	---
34	31	11	20	---	---	---	50	18	32	---	---	---
33	34	24	10	---	---	---	41	17	24	---	---	---
32	46	27	19	---	---	---	62	19	43	---	---	---
31	38	17	21	---	---	---	48	16	32	---	---	---
30	45	19	26	---	---	---	79	32	47	---	---	---
29	45	17	28	---	---	---	61	29	32	---	---	---
28	39	22	17	---	---	---	39	10	29	---	---	---
27	53	21	32	---	---	---	39	15	24	---	---	---
26	38	17	21	---	---	---	34	10	24	---	---	---
25	47	14	32	---	---	1	99	15	84	---	---	---
24	14	2	12	---	---	---	41	11	30	---	---	---
23	18	---	18	---	---	---	33	5	28	---	---	---
22	8	1	7	---	---	---	6	1	5	---	---	---
21	6	---	2	---	---	4	7	---	5	---	---	2
20	60	---	21	19	19	1	39	---	22	14	---	3
19	61	---	45	1	---	15	18	---	1	1	---	16
≤ 18	526	34	39	250	8	195	583	51	52	249	18	213
Total trips:											8,665	

SAN FRANCISCO HARBOR, CA

Inbound

Outbound

Grand Total	29,602	28,924	38	458	109	73	29,559	28,887	32	460	109	71
-------------	--------	--------	----	-----	-----	----	--------	--------	----	-----	-----	----

FOREIGN

Total	336	296	38	2	---	---	297	262	32	2	1	---
48	---	---	---	---	---	---	1	---	1	---	---	---
43	1	1	---	---	---	---	---	---	---	---	---	---
42	1	---	1	---	---	---	1	---	1	---	---	---
40	1	---	1	---	---	---	1	---	1	---	---	---
39	1	---	1	---	---	---	---	---	---	---	---	---
38	2	1	1	---	---	---	1	1	---	---	---	---
37	3	3	---	---	---	---	4	4	---	---	---	---
36	5	5	---	---	---	---	2	2	---	---	---	---
35	2	2	---	---	---	---	4	3	1	---	---	---
34	18	14	4	---	---	---	11	11	---	---	---	---
33	13	13	---	---	---	---	17	16	1	---	---	---
32	21	20	1	---	---	---	15	12	3	---	---	---
31	12	11	1	---	---	---	14	13	1	---	---	---
30	13	10	3	---	---	---	15	15	---	---	---	---
29	24	22	2	---	---	---	20	20	---	---	---	---
28	31	27	4	---	---	---	22	18	4	---	---	---
27	38	38	---	---	---	---	37	37	---	---	---	---
26	25	21	4	---	---	---	18	17	1	---	---	---

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SAN FRANCISCO HARBOR, CA - continued

Inbound

Outbound

FOREIGN

25	25	22	3	---	---	---	15	13	2	---	---	---
24	13	8	5	---	---	---	21	18	3	---	---	---
23	9	8	1	---	---	---	11	9	2	---	---	---
≤ 22	78	70	6	2	---	---	67	53	11	2	1	---

DOMESTIC

Total	29,266	28,628	---	456	109	73	29,262	28,625	---	458	108	71
29	1	1	---	---	---	---	3	3	---	---	---	---
26	2	2	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	1	1	---	---	---	---
≤ 22	29,263	28,625	---	456	109	73	29,258	28,621	---	458	108	71
											Total trips:	59,161

REDWOOD CITY HARBOR, CA

Inbound

Outbound

Grand Total	201	28	1	91	63	18	213	28	---	95	65	25
--------------------	------------	-----------	----------	-----------	-----------	-----------	------------	-----------	-----	-----------	-----------	-----------

FOREIGN

Total	32	24	1	3	4	---	33	24	---	4	5	---
33	2	2	---	---	---	---	3	3	---	---	---	---
32	8	8	---	---	---	---	6	6	---	---	---	---
31	1	1	---	---	---	---	5	5	---	---	---	---
30	2	2	---	---	---	---	2	1	---	---	1	---
28	---	---	---	---	---	---	1	1	---	---	---	---
27	2	2	---	---	---	---	2	2	---	---	---	---
26	1	1	---	---	---	---	---	---	---	---	---	---
24	1	---	1	---	---	---	2	2	---	---	---	---
23	2	2	---	---	---	---	1	1	---	---	---	---
≤ 22	13	6	---	3	4	---	11	3	---	4	4	---

DOMESTIC

Total	169	4	---	88	59	18	180	4	---	91	60	25
≤ 22	169	4	---	88	59	18	180	4	---	91	60	25
											Total trips:	414

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

OAKLAND HARBOR, CA

	Inbound						Outbound					
Grand Total	7,436	5,708	3	1,323	102	300	7,450	5,720	1	1,327	102	300

FOREIGN

Total	1,495	1,492	3	----	----	----	1,506	1,503	1	1	1	----
38	103	103	----	----	----	----	107	107	----	----	----	----
37	26	26	----	----	----	----	18	18	----	----	----	----
36	43	43	----	----	----	----	57	57	----	----	----	----
35	75	75	----	----	----	----	80	80	----	----	----	----
34	185	185	----	----	----	----	164	164	----	----	----	----
33	182	182	----	----	----	----	178	178	----	----	----	----
32	121	121	----	----	----	----	135	135	----	----	----	----
31	70	70	----	----	----	----	109	109	----	----	----	----
30	131	131	----	----	----	----	166	165	1	----	----	----
29	165	165	----	----	----	----	135	135	----	----	----	----
28	90	90	----	----	----	----	76	76	----	----	----	----
27	77	77	----	----	----	----	65	65	----	----	----	----
26	45	44	1	----	----	----	38	38	----	----	----	----
25	35	35	----	----	----	----	23	23	----	----	----	----
24	18	18	----	----	----	----	19	19	----	----	----	----
23	21	21	----	----	----	----	28	28	----	----	----	----
≤ 22	108	106	2	----	----	----	108	106	----	1	1	----

DOMESTIC

Total	5,941	4,216	----	1,323	102	300	5,944	4,217	----	1,326	101	300
36	----	----	----	----	----	----	7	7	----	----	----	----
35	1	1	----	----	----	----	12	12	----	----	----	----
34	11	11	----	----	----	----	24	24	----	----	----	----
33	23	23	----	----	----	----	20	20	----	----	----	----
32	28	28	----	----	----	----	21	21	----	----	----	----
31	21	21	----	----	----	----	21	21	----	----	----	----
30	29	29	----	----	----	----	29	29	----	----	----	----
29	12	12	----	----	----	----	10	10	----	----	----	----
28	22	22	----	----	----	----	8	8	----	----	----	----
27	22	22	----	----	----	----	8	8	----	----	----	----
26	15	15	----	----	----	----	6	6	----	----	----	----
25	11	11	----	----	----	----	4	4	----	----	----	----
24	3	3	----	----	----	----	6	6	----	----	----	----
23	----	----	----	----	----	----	6	6	----	----	----	----
≤ 22	5,743	4,018	----	1,323	102	300	5,762	4,035	----	1,326	101	300
Total trips:											14,886	

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

RICHMOND HARBOR, CA

	Inbound						Outbound					
Grand Total	1,806	149	498	365	19	775	1,807	147	509	361	16	774

FOREIGN

Total	312	148	148	6	10	-----	314	146	157	5	6	-----
45	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
43	-----	-----	-----	-----	-----	-----	1	1	-----	-----	-----	-----
42	4	-----	4	-----	-----	-----	4	-----	4	-----	-----	-----
41	1	-----	1	-----	-----	-----	1	-----	1	-----	-----	-----
40	3	-----	3	-----	-----	-----	2	-----	2	-----	-----	-----
39	4	-----	4	-----	-----	-----	1	-----	1	-----	-----	-----
38	3	-----	3	-----	-----	-----	7	-----	7	-----	-----	-----
37	5	1	4	-----	-----	-----	6	-----	6	-----	-----	-----
36	7	-----	7	-----	-----	-----	6	-----	4	-----	-----	-----
35	4	1	3	-----	-----	-----	11	3	8	-----	-----	-----
34	11	2	9	-----	-----	-----	14	7	7	-----	-----	-----
33	11	4	7	-----	-----	-----	14	7	7	-----	-----	-----
32	12	7	5	-----	-----	-----	11	2	9	-----	-----	-----
31	7	3	4	-----	-----	-----	20	10	10	-----	-----	-----
30	12	8	4	-----	-----	-----	16	9	7	-----	-----	-----
29	18	9	9	-----	-----	-----	13	7	6	-----	-----	-----
28	17	11	6	-----	-----	-----	23	11	12	-----	-----	-----
27	32	23	9	-----	-----	-----	18	11	7	-----	-----	-----
26	36	17	19	-----	-----	-----	28	16	12	-----	-----	-----
25	28	16	12	-----	-----	-----	24	16	8	-----	-----	-----
24	26	14	12	-----	-----	-----	22	11	11	-----	-----	-----
23	15	10	5	-----	-----	-----	20	13	7	-----	-----	-----
≤ 22	55	22	17	6	10	-----	52	20	21	5	6	-----

DOMESTIC

Total	1,494	1	350	359	9	775	1,493	1	352	356	10	774
45	8	-----	8	-----	-----	-----	-----	-----	-----	-----	-----	-----
44	6	-----	6	-----	-----	-----	-----	-----	-----	-----	-----	-----
43	12	-----	12	-----	-----	-----	-----	-----	-----	-----	-----	-----
42	9	-----	9	-----	-----	-----	1	-----	1	-----	-----	-----
41	5	-----	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
40	11	-----	11	-----	-----	-----	1	-----	1	-----	-----	-----
39	8	-----	8	-----	-----	-----	9	-----	9	-----	-----	-----
38	19	-----	19	-----	-----	-----	4	-----	4	-----	-----	-----
37	20	-----	20	-----	-----	-----	3	-----	3	-----	-----	-----
36	31	-----	31	-----	-----	-----	17	-----	17	-----	-----	-----
35	18	-----	18	-----	-----	-----	30	-----	30	-----	-----	-----
34	21	-----	21	-----	-----	-----	15	-----	15	-----	-----	-----
33	8	-----	8	-----	-----	-----	14	-----	14	-----	-----	-----
32	20	-----	20	-----	-----	-----	22	-----	22	-----	-----	-----
31	11	-----	11	-----	-----	-----	17	-----	17	-----	-----	-----
30	21	-----	21	-----	-----	-----	19	-----	19	-----	-----	-----
29	22	-----	22	-----	-----	-----	23	-----	23	-----	-----	-----
28	11	-----	11	-----	-----	-----	27	-----	27	-----	-----	-----
27	18	-----	18	-----	-----	-----	14	-----	14	-----	-----	-----
26	11	-----	11	-----	-----	-----	19	-----	19	-----	-----	-----

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

RICHMOND HARBOR, CA - continued
Inbound

Outbound

DOMESTIC

25	20	---	20	---	---	---	35	---	35	---	---	---
24	2	---	2	---	---	---	6	---	6	---	---	---
23	8	---	8	---	---	---	9	---	9	---	---	---
≤ 22	1,174	1	30	359	9	775	1,208	1	67	356	10	774
											Total trips:	3,613

SAN PABLO BAY AND MARE ISLAND STRAIT, CA
Upbound

Downbound

Grand Total	3,509	1,197	686	750	341	535	3,546	1,204	708	747	334	553
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FOREIGN

Total	654	461	186	3	4	---	686	468	197	10	9	2
45	6	---	6	---	---	---	2	1	1	---	---	---
44	---	---	---	---	---	---	2	---	2	---	---	---
43	1	1	---	---	---	---	7	1	6	---	---	---
42	2	---	2	---	---	---	8	---	8	---	---	---
40	---	---	---	---	---	---	5	---	5	---	---	---
39	1	---	1	---	---	---	5	---	5	---	---	---
38	2	---	2	---	---	---	3	---	3	---	---	---
37	9	---	9	---	---	---	5	---	5	---	---	---
36	5	1	4	---	---	---	7	---	7	---	---	---
35	7	---	7	---	---	---	5	1	4	---	---	---
34	16	---	16	---	---	---	11	1	10	---	---	---
33	18	9	9	---	---	---	19	9	10	---	---	---
32	17	10	7	---	---	---	48	40	8	---	---	---
31	41	32	9	---	---	---	39	26	13	---	---	---
30	24	12	12	---	---	---	37	24	13	---	---	---
29	33	16	17	---	---	---	30	23	7	---	---	---
28	58	39	19	---	---	---	63	42	21	---	---	---
27	73	62	11	---	---	---	71	61	10	---	---	---
26	74	53	21	---	---	---	58	52	6	---	---	---
25	53	49	4	---	---	---	82	69	13	---	---	---
24	48	39	9	---	---	---	49	43	6	---	---	---
23	32	29	3	---	---	---	32	26	6	---	---	---
≤ 22	134	109	18	3	4	---	98	49	28	10	9	2

DOMESTIC

Total	2,855	736	500	747	337	535	2,860	736	511	737	325	551
40	1	---	1	---	---	---	---	---	---	---	---	---
37	5	---	5	---	---	---	2	---	2	---	---	---
36	31	8	23	---	---	---	14	---	14	---	---	---
35	35	4	31	---	---	---	25	---	25	---	---	---
34	20	1	19	---	---	---	27	---	27	---	---	---
33	19	3	16	---	---	---	11	---	11	---	---	---
32	33	---	33	---	---	---	24	---	24	---	---	---

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SAN PABLO BAY AND MARE ISLAND STRAIT, CA - continued

Upbound

Downbound

DOMESTIC

31	24	---	24	---	---	---	20	---	20	---	---	---
30	84	---	84	---	---	---	33	---	33	---	---	---
29	32	1	31	---	---	---	25	---	25	---	---	---
28	22	---	22	---	---	---	14	---	14	---	---	---
27	17	---	17	---	---	---	10	---	10	---	---	---
26	21	---	21	---	---	---	14	2	12	---	---	---
25	40	---	39	---	---	1	62	8	54	---	---	---
24	18	---	18	---	---	---	30	5	25	---	---	---
23	11	---	11	---	---	---	5	---	5	---	---	---
≤ 22	2,442	719	105	747	337	534	2,544	721	210	737	325	551
											Total trips:	7,055

CARQUINEZ STRAIT, CA

Upbound

Downbound

Grand Total	2,516	500	526	707	272	511	2,543	508	551	713	280	491
-------------	-------	-----	-----	-----	-----	-----	-------	-----	-----	-----	-----	-----

FOREIGN

Total	634	460	167	3	4	---	667	468	178	10	9	2
45	6	---	6	---	---	---	1	1	---	---	---	---
44	---	---	---	---	---	---	2	---	2	---	---	---
43	1	1	---	---	---	---	7	1	6	---	---	---
42	2	---	2	---	---	---	8	---	8	---	---	---
40	---	---	---	---	---	---	4	---	4	---	---	---
39	1	---	1	---	---	---	5	---	5	---	---	---
38	2	---	2	---	---	---	3	---	3	---	---	---
37	9	---	9	---	---	---	5	---	5	---	---	---
36	5	1	4	---	---	---	7	---	7	---	---	---
35	6	---	6	---	---	---	5	1	4	---	---	---
34	10	---	10	---	---	---	11	1	10	---	---	---
33	16	9	7	---	---	---	18	9	9	---	---	---
32	16	10	6	---	---	---	46	40	6	---	---	---
31	40	32	8	---	---	---	37	26	11	---	---	---
30	24	12	12	---	---	---	36	24	12	---	---	---
29	30	16	14	---	---	---	28	23	5	---	---	---
28	58	39	19	---	---	---	61	42	19	---	---	---
27	72	62	10	---	---	---	68	61	7	---	---	---
26	73	53	20	---	---	---	58	52	6	---	---	---
25	53	49	4	---	---	---	81	69	12	---	---	---
24	47	39	8	---	---	---	48	43	5	---	---	---
23	32	29	3	---	---	---	32	26	6	---	---	---
≤ 22	131	108	16	3	4	---	96	49	26	10	9	2

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

CARQUINEZ STRAIT, CA - continued
Upbound

Downbound

DOMESTIC

Total	1,882	40	359	704	268	511	1,876	40	373	703	271	489
37	2	---	2	---	---	---	4	---	4	---	---	---
36	22	8	14	---	---	---	11	---	11	---	---	---
35	28	4	24	---	---	---	16	---	16	---	---	---
34	13	1	12	---	---	---	17	---	17	---	---	---
33	15	3	12	---	---	---	10	---	10	---	---	---
32	26	---	26	---	---	---	21	---	21	---	---	---
31	23	---	23	---	---	---	16	---	16	---	---	---
30	53	---	53	---	---	---	23	---	23	---	---	---
29	19	1	18	---	---	---	16	---	16	---	---	---
28	14	---	14	---	---	---	7	---	7	---	---	---
27	11	---	11	---	---	---	9	---	9	---	---	---
26	15	---	15	---	---	---	13	3	10	---	---	---
25	29	---	28	---	---	1	54	11	43	---	---	---
24	10	---	10	---	---	---	18	1	17	---	---	---
23	5	---	5	---	---	---	1	---	1	---	---	---
≤ 22	1,597	23	92	704	268	510	1,640	25	152	703	271	489
Total trips:											5,059	

SUISUN BAY CHANNEL, CA

Upbound

Downbound

Grand Total	970	229	115	251	212	163	966	235	117	248	201	165
--------------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------

FOREIGN

Total	259	208	46	2	3	---	268	214	47	3	4	---
39	---	---	---	---	---	---	3	---	3	---	---	---
36	---	---	---	---	---	---	1	---	1	---	---	---
35	1	---	1	---	---	---	---	---	---	---	---	---
33	8	7	1	---	---	---	12	7	5	---	---	---
32	15	10	5	---	---	---	37	35	2	---	---	---
31	31	27	4	---	---	---	24	21	3	---	---	---
30	14	9	5	---	---	---	18	16	2	---	---	---
29	13	6	7	---	---	---	18	18	---	---	---	---
28	18	9	9	---	---	---	22	20	2	---	---	---
27	20	17	3	---	---	---	16	13	3	---	---	---
26	18	11	7	---	---	---	10	8	2	---	---	---
25	11	11	---	---	---	---	31	28	3	---	---	---
24	15	13	2	---	---	---	10	10	---	---	---	---
23	12	10	2	---	---	---	10	9	1	---	---	---
22	17	17	---	---	---	---	18	11	7	---	---	---
21	15	15	---	---	---	---	7	4	3	---	---	---
20	16	15	---	---	1	---	12	5	7	---	---	---
19	12	9	---	1	2	---	2	---	1	---	1	---
≤ 18	23	22	---	1	---	---	17	9	2	3	3	---

WCSC: PACIFIC COAST, ALASKA AND HAWAII

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SUISUN BAY CHANNEL, CA - continued
Upbound

Downbound

DOMESTIC

Total	711	21	69	249	209	163	698	21	70	245	197	165
39	1	---	1	---	---	---	---	---	---	---	---	---
37	1	---	1	---	---	---	---	---	---	---	---	---
36	1	---	1	---	---	---	---	---	---	---	---	---
35	2	---	2	---	---	---	2	---	2	---	---	---
34	2	---	2	---	---	---	---	---	---	---	---	---
33	1	---	1	---	---	---	2	---	2	---	---	---
32	7	---	7	---	---	---	1	---	1	---	---	---
31	3	---	3	---	---	---	2	---	2	---	---	---
30	17	---	17	---	---	---	1	---	1	---	---	---
29	---	---	---	---	---	---	4	---	4	---	---	---
28	1	---	1	---	---	---	1	---	1	---	---	---
27	1	---	1	---	---	---	2	---	2	---	---	---
26	1	---	1	---	---	---	2	---	2	---	---	---
25	2	---	2	---	---	---	4	---	4	---	---	---
24	5	---	5	---	---	---	---	---	---	---	---	---
23	4	---	4	---	---	---	---	---	---	---	---	---
22	4	---	4	---	---	---	6	---	6	---	---	---
21	4	---	3	---	---	1	1	---	1	---	---	---
20	25	---	3	3	19	---	4	---	2	2	---	---
19	2	---	---	1	---	1	---	---	---	---	---	---
≤ 18	627	21	10	245	190	161	666	21	40	243	197	165
Total trips:											1,936	

HUMBOLDT HARBOR AND BAY, CA
Inbound

Outbound

Grand Total	1,307	680	6	491	66	64	1,297	680	6	485	73	53
-------------	-------	-----	---	-----	----	----	-------	-----	---	-----	----	----

FOREIGN

Total	55	51	---	2	2	---	65	51	---	7	6	1
35	---	---	---	---	---	---	1	1	---	---	---	---
33	---	---	---	---	---	---	4	4	---	---	---	---
32	1	1	---	---	---	---	4	4	---	---	---	---
30	1	1	---	---	---	---	11	11	---	---	---	---
29	1	1	---	---	---	---	1	1	---	---	---	---
28	4	4	---	---	---	---	1	1	---	---	---	---
27	3	3	---	---	---	---	3	3	---	---	---	---
26	7	7	---	---	---	---	6	6	---	---	---	---
25	7	7	---	---	---	---	5	5	---	---	---	---
24	5	5	---	---	---	---	6	6	---	---	---	---
23	12	12	---	---	---	---	---	---	---	---	---	---
22	3	3	---	---	---	---	5	5	---	---	---	---
21	3	2	---	1	---	---	3	2	---	1	---	---
20	2	2	---	---	---	---	2	2	---	---	---	---
19	2	2	---	---	---	---	---	---	---	---	---	---

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HUMBOLDT HARBOR AND BAY, CA - continued

Inbound

Outbound

FOREIGN

≤ 18	4	1	---	1	2	---	13	---	---	6	6	1
------	---	---	-----	---	---	-----	----	-----	-----	---	---	---

DOMESTIC

Total	1,252	629	6	489	64	64	1,232	629	6	478	67	52
29	1	---	1	---	---	---	---	---	---	---	---	---
28	1	---	1	---	---	---	---	---	1	---	---	---
27	1	---	1	---	---	---	1	---	---	---	---	---
25	2	---	2	---	---	---	2	---	2	---	---	---
23	1	---	1	---	---	---	2	---	2	---	---	---
20	---	---	---	---	---	---	1	---	1	---	---	---
≤ 18	1,246	629	---	489	64	64	1,226	629	---	478	67	52
											Total trips:	2,604

BERKELEY, CA
(7 feet and less)

Inbound

Outbound

Grand Total	724	721	---	3	---	---	727	724	---	3	---	---
											Total trips:	1,451

BODEGA BAY, CA
No Vessel Trips Reported**CRESCENT CITY HARBOR, CA**
No Vessel Trips Reported**MONTEREY HARBOR, CA**
No Vessel Trips Reported**MOSS LANDING HARBOR, CA**
(14 feet and less)

Inbound

Outbound

Grand Total	2	---	---	1	---	1	2	---	---	1	---	1
											Total trips:	4

NAPA RIVER, CA
(14 feet and less)

Upbound

Downbound

Grand Total	47	---	---	23	24	---	46	---	---	24	22	---
											Total trips:	93

WCSC: PACIFIC COAST, ALASKA AND HAWAII

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

NOYO RIVER, CA

No Vessel Trips Reported

PETALUMA RIVER, CA
(11 feet and less)

Upbound							Downbound					
Grand Total	315	-----	-----	139	176	-----	320	-----	-----	138	182	-----
										Total trips:		635

PILLAR POINT HARBOR, CA

No Vessel Trips Reported

SAN RAFAEL CREEK, CA

No Vessel Trips Reported

SANTA CRUZ HARBOR, CA
(10 feet and less)

Inbound							Outbound					
Grand Total	106	106	-----	-----	-----	-----	106	106	-----	-----	-----	-----
										Total trips:		212

SUISUN CHANNEL, CA
(8 feet and less)

Upbound							Downbound					
Grand Total	5	-----	-----	2	3	-----	5	-----	-----	2	3	-----
										Total trips:		10

OTHER SAN FRANCISCO BAY AREA PORTS, CA
(50 feet and less)

Inbound							Outbound					
Grand Total	19,244	17,694	305	555	319	371	19,231	17,678	312	551	319	371
										Total trips:		38,475

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HILO HARBOR, HI

	Inbound						Outbound					
Grand Total	817	74	1	245	394	103	822	76	1	242	402	101

FOREIGN

Total	71	68	1	1	1	---	70	69	1	---	---	---
32	1	1	---	---	---	---	---	---	---	---	---	---
30	6	6	---	---	---	---	4	4	---	---	---	---
29	2	2	---	---	---	---	6	6	---	---	---	---
28	1	1	---	---	---	---	---	---	---	---	---	---
27	1	---	---	---	1	---	---	---	---	---	---	---
26	---	---	---	---	---	---	2	2	---	---	---	---
25	2	2	---	---	---	---	1	1	---	---	---	---
24	2	2	---	---	---	---	3	2	1	---	---	---
23	1	---	1	---	---	---	1	1	---	---	---	---
22	1	1	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	1	1	---	---	---	---
20	2	2	---	---	---	---	2	2	---	---	---	---
≤ 18	52	51	---	1	---	---	50	50	---	---	---	---

DOMESTIC

Total	746	6	---	244	393	103	752	7	---	242	402	101
33	---	---	---	---	---	---	2	2	---	---	---	---
31	1	1	---	---	---	---	1	1	---	---	---	---
30	---	---	---	---	---	---	1	1	---	---	---	---
28	1	1	---	---	---	---	1	1	---	---	---	---
27	1	1	---	---	---	---	---	---	---	---	---	---
26	1	1	---	---	---	---	---	---	---	---	---	---
24	1	1	---	---	---	---	---	---	---	---	---	---
≤ 18	741	1	---	244	393	103	747	2	---	242	402	101
											Total trips:	1,639

KAWAIHAE HARBOR, HI

	Inbound						Outbound					
Grand Total	643	1	---	194	448	---	664	5	---	192	467	---

FOREIGN

Total	1	1	---	---	---	---	5	5	---	---	---	---
≤ 18	1	1	---	---	---	---	5	5	---	---	---	---

DOMESTIC

Total	642	---	---	194	448	---	659	---	---	192	467	---
≤ 18	642	---	---	194	448	---	659	---	---	192	467	---
											Total trips:	1,307

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

KAHULUI HARBOR, MAUI, HI

Inbound							Outbound					
Grand Total	1,228	35	-----	362	736	95	1,229	32	-----	368	736	93

FOREIGN

Total	24	24	-----	-----	-----	-----	21	21	-----	-----	-----	-----
34	1	1	-----	-----	-----	-----	1	1	-----	-----	-----	-----
33	1	1	-----	-----	-----	-----	1	1	-----	-----	-----	-----
31	3	3	-----	-----	-----	-----	2	2	-----	-----	-----	-----
30	-----	-----	-----	-----	-----	-----	2	2	-----	-----	-----	-----
29	2	2	-----	-----	-----	-----	1	1	-----	-----	-----	-----
28	2	2	-----	-----	-----	-----	2	2	-----	-----	-----	-----
26	1	1	-----	-----	-----	-----	1	1	-----	-----	-----	-----
25	1	1	-----	-----	-----	-----	1	1	-----	-----	-----	-----
24	3	3	-----	-----	-----	-----	3	3	-----	-----	-----	-----
20	2	2	-----	-----	-----	-----	1	1	-----	-----	-----	-----
≤ 18	8	8	-----	-----	-----	-----	6	6	-----	-----	-----	-----

DOMESTIC

Total	1,204	11	-----	362	736	95	1,208	11	-----	368	736	93
36	-----	-----	-----	-----	-----	-----	2	2	-----	-----	-----	-----
33	-----	-----	-----	-----	-----	-----	4	4	-----	-----	-----	-----
32	-----	-----	-----	-----	-----	-----	1	1	-----	-----	-----	-----
31	-----	-----	-----	-----	-----	-----	1	1	-----	-----	-----	-----
30	-----	-----	-----	-----	-----	-----	1	1	-----	-----	-----	-----
29	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
27	-----	-----	-----	-----	-----	-----	1	1	-----	-----	-----	-----
26	1	1	-----	-----	-----	-----	1	1	-----	-----	-----	-----
25	4	4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
24	3	3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
≤ 18	1,194	1	-----	362	736	95	1,197	-----	-----	368	736	93
										Total trips:		2,457

BARBERS POINT HARBOR, OAHU, HI

Upbound							Downbound					
Grand Total	1,050	22	119	650	66	193	1,085	29	117	653	68	218

FOREIGN

Total	109	22	85	1	1	-----	122	29	91	1	1	-----
46	26	2	24	-----	-----	-----	-----	-----	-----	-----	-----	-----
45	5	-----	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
44	2	-----	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
43	4	-----	4	-----	-----	-----	1	-----	1	-----	-----	-----
42	2	-----	2	-----	-----	-----	1	-----	1	-----	-----	-----
41	1	1	-----	-----	-----	-----	1	1	-----	-----	-----	-----
40	-----	-----	-----	-----	-----	-----	1	-----	1	-----	-----	-----
39	2	-----	2	-----	-----	-----	6	1	5	-----	-----	-----

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

BARBERS POINT HARBOR, OAHU, HI - continued

Upbound

Downbound

FOREIGN

38	1	---	1	---	---	---	---	---	---	---	---	---
37	4	4	---	---	---	---	2	1	1	---	---	---
36	3	3	---	---	---	---	7	1	6	---	---	---
35	---	---	---	---	---	---	20	1	19	---	---	---
34	1	---	1	---	---	---	6	2	4	---	---	---
33	5	4	1	---	---	---	6	2	4	---	---	---
32	3	2	1	---	---	---	10	1	9	---	---	---
31	---	---	---	---	---	---	5	1	4	---	---	---
30	2	---	2	---	---	---	14	3	11	---	---	---
29	1	---	1	---	---	---	2	---	2	---	---	---
28	1	---	1	---	---	---	6	1	5	---	---	---
27	3	---	3	---	---	---	3	3	---	---	---	---
26	4	---	4	---	---	---	3	2	1	---	---	---
25	2	---	2	---	---	---	2	1	1	---	---	---
24	2	1	1	---	---	---	1	1	---	---	---	---
23	2	---	2	---	---	---	4	1	3	---	---	---
22	5	---	5	---	---	---	2	2	---	---	---	---
21	1	---	1	---	---	---	5	1	4	---	---	---
20	8	1	7	---	---	---	9	2	7	---	---	---
19	2	---	2	---	---	---	2	---	2	---	---	---
18	2	2	---	---	---	---	---	---	---	---	---	---
17	4	1	3	---	---	---	---	---	---	---	---	---
16	4	---	4	---	---	---	1	---	---	1	---	---
15	---	---	---	---	---	---	1	1	---	---	---	---
14	2	---	1	1	---	---	---	---	---	---	---	---
13	2	---	2	---	---	---	---	---	---	---	---	---
≤ 12	3	1	1	---	1	---	1	---	---	---	1	---

DOMESTIC

Total	941	---	34	649	65	193	963	---	26	652	67	218
46	18	---	18	---	---	---	---	---	---	---	---	---
45	1	---	1	---	---	---	---	---	---	---	---	---
44	3	---	3	---	---	---	---	---	---	---	---	---
43	4	---	4	---	---	---	---	---	---	---	---	---
42	1	---	1	---	---	---	---	---	---	---	---	---
40	1	---	1	---	---	---	---	---	---	---	---	---
39	---	---	---	---	---	---	1	---	1	---	---	---
38	1	---	1	---	---	---	1	---	1	---	---	---
34	---	---	---	---	---	---	2	---	2	---	---	---
32	---	---	---	---	---	---	2	---	2	---	---	---
30	---	---	---	---	---	---	3	---	3	---	---	---
29	1	---	1	---	---	---	---	---	---	---	---	---
28	1	---	1	---	---	---	---	---	---	---	---	---
27	1	---	1	---	---	---	2	---	2	---	---	---
25	1	---	1	---	---	---	---	---	---	---	---	---
23	1	---	1	---	---	---	---	---	---	---	---	---
20	3	---	---	---	---	3	29	---	2	1	---	26
19	6	---	---	---	---	6	11	---	---	---	---	11
18	3	---	---	1	---	2	1	---	---	1	---	---
16	---	---	---	---	---	---	1	---	---	---	---	1

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

BARBERS POINT HARBOR, OAHU, HI - continued

Upbound

Downbound

DOMESTIC

15	10	---	---	---	---	10	40	---	---	---	---	40
14	5	---	---	5	---	---	5	---	---	4	---	1
≤ 12	880	---	---	643	65	172	865	---	13	646	67	139
Total trips:											2,135	

HONOLULU HARBOR, OAHU, HI

Inbound

Outbound

Grand Total	7,760	3,084	69	1,766	2,421	420	7,682	3,095	67	1,743	2,399	378
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FOREIGN

Total	888	772	64	25	18	9	884	784	61	21	15	3
40	14	5	9	---	---	---	7	3	4	---	---	---
39	5	5	---	---	---	---	6	6	---	---	---	---
38	2	1	1	---	---	---	3	2	1	---	---	---
37	4	4	---	---	---	---	2	1	1	---	---	---
36	10	8	2	---	---	---	8	7	1	---	---	---
35	29	27	2	---	---	---	27	25	2	---	---	---
34	32	28	4	---	---	---	35	29	6	---	---	---
33	20	18	2	---	---	---	19	17	2	---	---	---
32	18	18	---	---	---	---	21	21	---	---	---	---
31	16	15	1	---	---	---	19	15	4	---	---	---
30	18	18	---	---	---	---	24	23	1	---	---	---
29	8	7	1	---	---	---	7	6	1	---	---	---
28	17	14	3	---	---	---	12	12	---	---	---	---
27	15	11	4	---	---	---	9	7	2	---	---	---
26	11	9	2	---	---	---	16	15	1	---	---	---
25	21	19	2	---	---	---	21	16	4	---	1	---
24	28	27	1	---	---	---	31	29	2	---	---	---
23	10	9	1	---	---	---	11	11	---	---	---	---
22	11	10	1	---	---	---	13	10	3	---	---	---
21	23	19	4	---	---	---	20	13	7	---	---	---
20	17	12	5	---	---	---	23	17	6	---	---	---
19	16	13	1	---	---	2	17	14	3	---	---	---
≤ 18	543	475	18	25	18	7	533	485	10	21	14	3

DOMESTIC

Total	6,872	2,312	5	1,741	2,403	411	6,798	2,311	6	1,722	2,384	375
37	1	---	1	---	---	---	---	---	---	---	---	---
36	12	11	1	---	---	---	9	9	---	---	---	---
35	15	15	---	---	---	---	6	6	---	---	---	---
34	14	14	---	---	---	---	15	15	---	---	---	---
33	27	26	1	---	---	---	21	21	---	---	---	---
32	24	24	---	---	---	---	21	21	---	---	---	---
31	55	55	---	---	---	---	53	53	---	---	---	---
30	92	91	1	---	---	---	74	74	---	---	---	---

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HONOLULU HARBOR, OAHU, HI - continued

Inbound

Outbound

DOMESTIC

29	52	52	----	----	----	----	30	29	1	----	----	----
28	12	12	----	----	----	----	53	52	1	----	----	----
27	4	4	----	----	----	----	56	55	1	----	----	----
26	1	1	----	----	----	----	33	32	1	----	----	----
25	1	1	----	----	----	----	8	7	1	----	----	----
24	6	6	----	----	----	----	----	----	----	----	----	----
23	5	4	1	----	----	----	3	2	1	----	----	----
22	----	----	----	----	----	----	1	1	----	----	----	----
21	----	----	----	----	----	----	1	1	----	----	----	----
20	1,085	1,050	----	----	----	35	1,050	1,039	----	----	----	11
19	26	11	----	----	----	15	7	2	----	----	----	5
≤ 18	5,440	935	----	1,741	2,403	361	5,357	892	----	1,722	2,384	359
											Total trips:	15,442

NAWILIWILI HARBOR, KAUAI, HI

Inbound

Outbound

Grand Total	607	24	----	162	403	18	611	29	----	163	402	17
-------------	-----	----	------	-----	-----	----	-----	----	------	-----	-----	----

FOREIGN

Total	16	16	----	----	----	----	21	21	----	----	----	----
32	1	1	----	----	----	----	1	1	----	----	----	----
31	----	----	----	----	----	----	1	1	----	----	----	----
30	8	8	----	----	----	----	8	8	----	----	----	----
29	1	1	----	----	----	----	1	1	----	----	----	----
27	1	1	----	----	----	----	----	----	----	----	----	----
26	1	1	----	----	----	----	2	2	----	----	----	----
25	1	1	----	----	----	----	2	2	----	----	----	----
24	1	1	----	----	----	----	----	----	----	----	----	----
21	1	1	----	----	----	----	----	----	----	----	----	----
≤ 18	1	1	----	----	----	----	7	7	----	----	----	----

DOMESTIC

Total	591	8	----	162	403	18	590	8	----	163	402	17
36	----	----	----	----	----	----	1	1	----	----	----	----
33	1	1	----	----	----	----	2	2	----	----	----	----
32	----	----	----	----	----	----	2	2	----	----	----	----
30	1	1	----	----	----	----	----	----	----	----	----	----
29	----	----	----	----	----	----	2	2	----	----	----	----
27	----	----	----	----	----	----	1	1	----	----	----	----
26	2	2	----	----	----	----	----	----	----	----	----	----
25	4	4	----	----	----	----	----	----	----	----	----	----
≤ 18	583	----	----	162	403	18	582	----	----	163	402	17
											Total trips:	1,218

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HANA HARBOR, MAUI, HI
No Vessel Trips Reported

KAILUA HARBOR, OAHU, HI
No Vessel Trips Reported

KALAUPAPA HARBOR, MOLOKAI, HI
(12 feet and less)

	Inbound		Outbound
Grand Total	19	-----	19
	-----	-----	-----
			Total trips:
			38

KAUNAKAKAI HARBOR, MOLOKAI, HI
(17 feet and less)

	Inbound		Outbound
Grand Total	1,581	720	232
	-----	-----	-----
			Total trips:
			3,159

PORT ALLEN HARBOR, KAUAI, HI
(13 feet and less)

	Inbound		Outbound
Grand Total	264	251	12
	-----	-----	-----
			Total trips:
			527

WAKE ISLAND HARBOR, WAKE ISLAND
No Vessel Trips Reported

WELLS HARBOR, MIDWAY ISLAND
No Vessel Trips Reported

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

COLUMBIA RIVER AND TRIBUTARIES ABOVE MCNARY LOCK AND DAM TO KENNEWICK, WA

	Upbound						Downbound					
Grand Total	4,439	43	-----	1,365	1,895	1,136	4,437	41	-----	1,364	1,896	1,136

DOMESTIC

Total	4,439	43	-----	1,365	1,895	1,136	4,437	41	-----	1,364	1,896	1,136
17	-----	-----	-----	-----	-----	-----	3	-----	-----	-----	3	-----
16	-----	-----	-----	-----	-----	-----	145	-----	-----	-----	145	-----
15	1	-----	-----	-----	1	-----	86	-----	-----	-----	86	-----
14	24	-----	-----	-----	24	-----	302	-----	-----	-----	120	182
13	222	-----	-----	-----	183	39	539	-----	-----	-----	242	297
≤ 12	4,192	43	-----	1,365	1,687	1,097	3,362	41	-----	1,364	1,300	657
											Total trips:	8,876

SNAKE RIVER, OR, WA AND ID

	Upbound						Downbound					
Grand Total	4,585	952	-----	1,212	1,602	819	4,583	952	-----	1,211	1,602	818

DOMESTIC

Total	4,585	952	-----	1,212	1,602	819	4,583	952	-----	1,211	1,602	818
17	-----	-----	-----	-----	-----	-----	3	-----	-----	-----	3	-----
16	-----	-----	-----	-----	-----	-----	101	-----	-----	-----	101	-----
15	1	-----	-----	-----	1	-----	76	-----	-----	-----	76	-----
14	24	-----	-----	-----	24	-----	193	-----	-----	-----	100	93
13	178	-----	-----	-----	152	26	382	-----	-----	-----	155	227
12	112	-----	-----	15	80	17	227	-----	-----	18	145	64
11	135	-----	-----	65	4	66	150	-----	-----	61	74	15
10	558	12	-----	435	45	66	542	12	-----	426	90	14
9	474	-----	-----	381	44	49	485	-----	-----	381	95	9
8	353	31	-----	230	8	84	323	29	-----	245	46	3
7	206	18	-----	71	20	97	110	18	-----	67	23	2
6	88	-----	-----	14	9	65	38	-----	-----	12	24	2
5	71	-----	-----	1	28	42	46	-----	-----	1	15	30
4	70	-----	-----	-----	44	26	143	-----	-----	-----	49	94
3	1,103	-----	-----	-----	875	228	747	-----	-----	-----	550	197
2	1,059	738	-----	-----	268	53	1,006	882	-----	-----	56	68
1	153	153	-----	-----	-----	-----	11	11	-----	-----	-----	-----
											Total trips:	9,168

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

COLUMBIA RIVER ENTRANCE, OR AND WA

Upbound

Downbound

Grand Total	2,947	1,996	192	347	195	217	2,907	1,990	185	348	190	194
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FOREIGN

Total	2,093	1,811	56	112	95	19	2,054	1,797	65	94	81	17
40	2	2	—	—	—	—	40	37	3	—	—	—
39	1	1	—	—	—	—	32	32	—	—	—	—
38	5	3	2	—	—	—	60	60	—	—	—	—
37	5	3	2	—	—	—	68	67	1	—	—	—
36	17	13	4	—	—	—	117	117	—	—	—	—
35	24	22	2	—	—	—	83	81	2	—	—	—
34	40	39	1	—	—	—	166	166	—	—	—	—
33	46	46	—	—	—	—	162	160	2	—	—	—
32	50	49	1	—	—	—	137	133	4	—	—	—
31	47	45	2	—	—	—	43	43	—	—	—	—
30	63	62	1	—	—	—	77	76	1	—	—	—
29	100	95	5	—	—	—	68	66	2	—	—	—
28	105	99	6	—	—	—	92	89	3	—	—	—
27	107	101	6	—	—	—	83	80	3	—	—	—
26	109	108	1	—	—	—	103	98	5	—	—	—
25	118	112	6	—	—	—	98	93	5	—	—	—
24	145	142	2	1	—	—	110	105	5	—	—	—
23	120	117	3	—	—	—	67	63	4	—	—	—
22	141	141	—	—	—	—	68	64	4	—	—	—
21	137	135	2	—	—	—	51	48	3	—	—	—
20	181	137	1	—	41	2	56	36	3	2	15	—
19	146	141	2	3	—	—	30	25	2	3	—	—
≤ 18	384	198	7	108	54	17	243	58	13	89	66	17

DOMESTIC

Total	854	185	136	235	100	198	853	193	120	254	109	177
38	1	—	1	—	—	—	—	—	—	—	—	—
37	2	—	2	—	—	—	—	—	—	—	—	—
36	5	—	5	—	—	—	—	—	—	—	—	—
35	12	—	12	—	—	—	—	—	—	—	—	—
34	12	—	12	—	—	—	1	—	1	—	—	—
33	5	—	5	—	—	—	3	—	3	—	—	—
32	7	—	7	—	—	—	1	—	1	—	—	—
31	19	—	19	—	—	—	3	1	2	—	—	—
30	15	—	15	—	—	—	8	1	7	—	—	—
29	13	—	13	—	—	—	6	1	5	—	—	—
28	7	—	7	—	—	—	9	—	9	—	—	—
27	10	2	8	—	—	—	15	5	10	—	—	—
26	12	2	10	—	—	—	18	2	16	—	—	—
25	7	1	6	—	—	—	9	—	9	—	—	—
24	7	1	6	—	—	—	9	—	9	—	—	—
23	2	—	2	—	—	—	1	—	1	—	—	—
22	1	—	1	—	—	—	2	—	2	—	—	—
21	4	—	—	—	—	4	21	—	18	3	—	—
20	17	—	1	3	9	4	1	—	—	—	—	—
19	9	—	1	—	1	7	—	—	—	—	—	—
≤ 18	687	179	3	232	90	183	745	183	26	251	109	176
Total trips:											5,854	

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)

Upbound

Downbound

Grand Total 45,897 23,529 194 14,208 5,848 2,118 45,675 23,455 185 14,130 5,697 2,208

FOREIGN

Total	2,093	1,811	56	112	95	19	2,054	1,797	65	94	81	17
40	2	2	---	---	---	---	40	37	3	---	---	---
39	1	1	---	---	---	---	32	32	---	---	---	---
38	5	3	2	---	---	---	60	60	---	---	---	---
37	5	3	2	---	---	---	68	67	1	---	---	---
36	17	13	4	---	---	---	117	117	---	---	---	---
35	24	22	2	---	---	---	83	81	2	---	---	---
34	40	39	1	---	---	---	166	166	---	---	---	---
33	46	46	---	---	---	---	162	160	2	---	---	---
32	50	49	1	---	---	---	137	133	4	---	---	---
31	47	45	2	---	---	---	43	43	---	---	---	---
30	63	62	1	---	---	---	77	76	1	---	---	---
29	100	95	5	---	---	---	68	66	2	---	---	---
28	105	99	6	---	---	---	92	89	3	---	---	---
27	107	101	6	---	---	---	83	80	3	---	---	---
26	109	108	1	---	---	---	103	98	5	---	---	---
25	118	112	6	---	---	---	98	93	5	---	---	---
24	145	142	2	1	---	---	110	105	5	---	---	---
23	120	117	3	---	---	---	67	63	4	---	---	---
22	141	141	---	---	---	---	68	64	4	---	---	---
21	137	135	2	---	---	---	51	48	3	---	---	---
20	181	137	1	---	41	2	56	36	3	2	15	---
19	146	141	2	3	---	---	30	25	2	3	---	---
18	98	92	5	---	1	---	37	27	7	1	2	---
17	41	33	2	4	2	---	11	8	3	---	---	---
16	52	20	---	29	3	---	37	7	2	28	---	---
15	43	11	---	29	3	---	32	3	---	26	3	---
14	7	5	---	---	1	1	3	1	1	1	---	---
13	10	5	---	4	---	1	14	2	---	---	2	10
12	16	3	---	6	5	2	32	1	---	3	28	---
11	27	---	---	4	23	---	24	---	---	---	21	3
10	34	2	---	27	3	2	30	1	---	24	5	---
9	8	5	---	3	---	---	3	---	---	3	---	---
8	11	9	---	---	2	---	2	2	---	---	---	---
7	6	4	---	---	2	---	3	3	---	---	---	---
6	8	5	---	---	3	---	1	1	---	---	---	---
5	6	3	---	---	3	---	3	2	---	1	---	---
4	15	1	---	2	1	11	6	---	---	2	---	4

WCSC: PACIFIC COAST, ALASKA AND HAWAII

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY - continued

Upbound

Downbound

FOREIGN

3	2	---	---	---	2	---	4	---	---	---	4	---
2	---	---	---	---	---	---	1	---	---	---	1	---

DOMESTIC

Total	43,804	21,718	138	14,096	5,753	2,099	43,621	21,658	120	14,036	5,616	2,191
38	1	---	1	---	---	---	---	---	---	---	---	---
37	2	---	2	---	---	---	---	---	---	---	---	---
36	5	---	5	---	---	---	---	---	---	---	---	---
35	12	---	12	---	---	---	---	---	---	---	---	---
34	12	---	12	---	---	---	1	---	1	---	---	---
33	5	---	5	---	---	---	1	---	1	---	---	---
32	7	---	7	---	---	---	3	---	3	---	---	---
31	19	---	19	---	---	---	1	---	1	---	---	---
30	15	---	15	---	---	---	3	1	2	---	---	---
29	14	---	14	---	---	---	8	1	7	---	---	---
28	7	---	7	---	---	---	6	1	5	---	---	---
27	10	2	8	---	---	---	11	2	9	---	---	---
26	12	2	10	---	---	---	14	4	10	---	---	---
25	7	1	6	---	---	---	18	2	16	---	---	---
24	8	1	7	---	---	---	9	---	9	---	---	---
23	2	---	2	---	---	---	9	---	9	---	---	---
22	1	---	1	---	---	---	1	---	1	---	---	---
21	4	---	---	---	---	4	2	---	2	---	---	---
20	17	---	1	3	9	4	21	---	18	3	---	---
19	9	---	1	---	1	7	1	---	---	---	---	1
18	28	---	---	4	1	23	23	---	1	4	---	18
17	25	---	---	---	2	23	18	---	1	---	4	13
16	40	---	---	25	1	14	196	---	---	23	172	1
15	44	---	---	30	3	11	167	---	---	33	109	25
14	276	---	---	230	45	1	610	---	---	225	160	225
13	535	---	---	465	18	52	1,317	---	---	466	507	344
12	526	---	---	311	98	117	933	97	---	312	311	213
11	1,312	34	---	1,156	28	94	1,414	34	---	1,157	192	31
10	3,207	12	1	2,841	254	99	3,221	12	2	2,842	316	49
9	2,331	3	2	1,598	569	159	1,862	3	22	1,599	187	51
8	1,483	48	---	1,123	152	160	1,290	50	---	1,063	160	17
7	3,081	---	---	2,740	161	180	2,840	---	---	2,724	85	31
6	17,686	14,794	---	2,579	178	135	17,562	14,778	---	2,580	148	56
5	1,202	76	---	836	177	113	1,292	28	---	906	269	89
4	586	---	---	115	365	106	609	1	---	58	356	194
3	8,931	6,552	---	40	1,848	491	8,010	6,552	---	41	962	455
2	2,149	---	---	---	1,843	306	2,056	---	---	---	1,678	378
1	193	193	---	---	---	---	92	92	---	---	---	---
Total trips:											91,572	

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR

Grand Total	Upbound						Downbound					
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
	37,656	10,511	192	16,730	7,884	2,339	37,614	10,497	200	16,711	7,869	2,337

FOREIGN

Total	2,093	1,811	56	112	95	19	2,054	1,797	65	94	81	17
40	2	2	---	---	---	---	40	37	3	---	---	---
39	1	1	---	---	---	---	32	32	---	---	---	---
38	5	3	2	---	---	---	60	60	---	---	---	---
37	5	3	2	---	---	---	68	67	1	---	---	---
36	17	13	4	---	---	---	117	117	---	---	---	---
35	24	22	2	---	---	---	83	81	2	---	---	---
34	40	39	1	---	---	---	166	166	---	---	---	---
33	46	46	---	---	---	---	162	160	2	---	---	---
32	50	49	1	---	---	---	137	133	4	---	---	---
31	47	45	2	---	---	---	43	43	---	---	---	---
30	63	62	1	---	---	---	77	76	1	---	---	---
29	100	95	5	---	---	---	68	66	2	---	---	---
28	105	99	6	---	---	---	92	89	3	---	---	---
27	107	101	6	---	---	---	83	80	3	---	---	---
26	109	108	1	---	---	---	103	98	5	---	---	---
25	118	112	6	---	---	---	98	93	5	---	---	---
24	145	142	2	1	---	---	110	105	5	---	---	---
23	120	117	3	---	---	---	67	63	4	---	---	---
22	141	141	---	---	---	---	68	64	4	---	---	---
21	137	135	2	---	---	---	51	48	3	---	---	---
20	181	137	1	---	41	2	56	36	3	2	15	---
19	146	141	2	3	---	---	30	25	2	3	---	---
≤ 18	384	198	7	108	54	17	243	58	13	89	66	17

DOMESTIC

Total	35,563	8,700	136	16,618	7,789	2,320	35,560	8,700	135	16,617	7,788	2,320
38	1	---	1	---	---	---	---	---	---	---	---	---
37	2	---	2	---	---	---	---	---	---	---	---	---
36	5	---	5	---	---	---	---	---	---	---	---	---
35	12	---	12	---	---	---	---	---	---	---	---	---
34	12	---	12	---	---	---	1	---	1	---	---	---
33	5	---	5	---	---	---	1	---	1	---	---	---
32	7	---	7	---	---	---	3	---	3	---	---	---
31	10	---	10	---	---	---	10	---	10	---	---	---
30	11	---	11	---	---	---	9	1	8	---	---	---
29	14	---	14	---	---	---	8	1	7	---	---	---
28	7	---	7	---	---	---	6	1	5	---	---	---
27	10	2	8	---	---	---	11	2	9	---	---	---
26	14	2	12	---	---	---	14	4	10	---	---	---
25	8	1	7	---	---	---	18	2	16	---	---	---
24	11	1	10	---	---	---	9	---	9	---	---	---
23	3	---	3	---	---	---	9	---	9	---	---	---
22	1	---	1	---	---	---	1	---	1	---	---	---
21	5	---	1	---	---	4	2	---	2	---	---	---
20	17	---	1	4	9	3	23	---	18	4	---	1
19	8	---	1	---	2	5	5	---	---	---	---	5

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR -
continued

Upbound

Downbound

DOMESTIC

≤ 18	35,400	8,694	6	16,614	7,778	2,308	35,430	8,689	26	16,613	7,788	2,314
										Total trips:		75,270

PORT OF ASTORIA, OR

Inbound

Outbound

Grand Total	1,715	200	4	1,333	111	67	1,679	208	3	1,313	107	48
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FOREIGN

Total	282	178	1	77	26	---	274	184	---	67	22	1
40	1	1	---	---	---	---	1	1	---	---	---	---
39	---	---	---	---	---	---	1	1	---	---	---	---
38	1	1	---	---	---	---	---	---	---	---	---	---
35	1	---	1	---	---	---	3	3	---	---	---	---
34	---	---	---	---	---	---	7	7	---	---	---	---
33	1	1	---	---	---	---	3	3	---	---	---	---
32	1	1	---	---	---	---	1	1	---	---	---	---
31	---	---	---	---	---	---	1	1	---	---	---	---
29	6	6	---	---	---	---	1	1	---	---	---	---
28	2	2	---	---	---	---	1	1	---	---	---	---
27	3	3	---	---	---	---	2	2	---	---	---	---
26	5	5	---	---	---	---	5	5	---	---	---	---
25	8	8	---	---	---	---	9	9	---	---	---	---
24	15	15	---	---	---	---	15	15	---	---	---	---
23	12	12	---	---	---	---	12	12	---	---	---	---
22	19	19	---	---	---	---	19	19	---	---	---	---
21	35	35	---	---	---	---	20	20	---	---	---	---
20	20	20	---	---	---	---	22	21	---	---	1	---
19	15	12	---	3	---	---	17	14	---	3	---	---
≤ 18	137	37	---	74	26	---	134	48	---	64	21	1

DOMESTIC

Total	1,433	22	3	1,256	85	67	1,405	24	3	1,246	85	47
34	1	---	1	---	---	---	---	---	---	---	---	---
33	1	---	1	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	1	---	1	---	---	---
27	1	---	1	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	1	---	1	---	---	---
20	1	---	---	1	---	---	1	---	---	1	---	---
19	---	---	---	---	---	---	1	---	---	---	---	1
≤ 18	1,429	22	---	1,255	85	67	1,401	24	1	1,245	85	46
										Total trips:		3,394

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORTS OTHER THAN PORTLAND, ASTORIA, ST. HELENS, LONGVIEW, VANCOUVER AND KALAMA

Grand Total	Inbound						Outbound					
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
	5,336	119	-----	3,699	1,502	16	5,338	123	-----	3,699	1,496	20

DOMESTIC

Total	5,336	119	-----	3,699	1,502	16	5,338	123	-----	3,699	1,496	20
≤ 18	5,336	119	-----	3,699	1,502	16	5,338	123	-----	3,699	1,496	20
											Total trips:	10,674

PORT OF LONGVIEW, WA

Grand Total	Inbound						Outbound					
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
	3,974	417	2	2,917	458	180	3,922	362	3	2,918	464	175

FOREIGN

Total	384	363	2	9	4	6	333	309	3	9	12	-----
38	-----	-----	-----	-----	-----	-----	2	2	-----	-----	-----	-----
37	1	1	-----	-----	-----	-----	1	1	-----	-----	-----	-----
36	5	5	-----	-----	-----	-----	9	9	-----	-----	-----	-----
35	1	1	-----	-----	-----	-----	14	14	-----	-----	-----	-----
34	1	1	-----	-----	-----	-----	44	44	-----	-----	-----	-----
33	4	4	-----	-----	-----	-----	41	41	-----	-----	-----	-----
32	5	5	-----	-----	-----	-----	39	39	-----	-----	-----	-----
31	5	5	-----	-----	-----	-----	10	10	-----	-----	-----	-----
30	8	8	-----	-----	-----	-----	14	14	-----	-----	-----	-----
29	18	18	-----	-----	-----	-----	12	12	-----	-----	-----	-----
28	18	18	-----	-----	-----	-----	15	15	-----	-----	-----	-----
27	16	16	-----	-----	-----	-----	16	16	-----	-----	-----	-----
26	18	18	-----	-----	-----	-----	8	8	-----	-----	-----	-----
25	15	15	-----	-----	-----	-----	13	13	-----	-----	-----	-----
24	22	22	-----	-----	-----	-----	16	16	-----	-----	-----	-----
23	24	23	1	-----	-----	-----	16	16	-----	-----	-----	-----
22	26	26	-----	-----	-----	-----	10	10	-----	-----	-----	-----
21	29	29	-----	-----	-----	-----	8	7	1	-----	-----	-----
20	44	44	-----	-----	-----	-----	5	5	-----	-----	-----	-----
19	43	43	-----	-----	-----	-----	8	8	-----	-----	-----	-----
18	42	41	1	-----	-----	-----	10	7	2	-----	1	-----
17	11	10	-----	1	-----	-----	1	1	-----	-----	-----	-----
16	5	4	-----	1	-----	-----	1	1	-----	-----	-----	-----
15	5	2	-----	3	-----	-----	1	-----	-----	-----	1	-----
14	3	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----
13	5	2	-----	2	-----	1	-----	-----	-----	-----	-----	-----
≤ 12	10	1	-----	2	3	4	19	-----	-----	9	10	-----

DOMESTIC

Total	3,590	54	-----	2,908	454	174	3,589	53	-----	2,909	452	175
30	-----	-----	-----	-----	-----	-----	1	1	-----	-----	-----	-----
25	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORT OF LONGVIEW, WA - continued
Inbound

Outbound

DOMESTIC

18	7	---	---	---	---	7	7	---	---	---	---	7
17	5	---	---	---	3	2	6	---	---	---	---	6
16	21	---	---	4	10	7	10	---	---	10	---	---
15	21	---	---	15	---	6	28	---	---	14	6	8
14	34	---	---	14	20	---	15	---	---	11	4	---
13	131	---	---	101	29	1	111	---	---	106	5	---
≤ 12	3,370	53	---	2,774	392	151	3,411	52	---	2,768	437	154
											Total trips:	7,896

PORT OF KALAMA, WA

Inbound

Outbound

Grand Total	1,608	28	7	1,254	191	128	1,624	139	8	1,226	127	124
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FOREIGN

Total	59	23	4	---	32	---	145	138	6	---	1	---
40	---	---	---	---	---	---	13	11	2	---	---	---
39	---	---	---	---	---	---	8	8	---	---	---	---
38	---	---	---	---	---	---	6	6	---	---	---	---
37	---	---	---	---	---	---	12	12	---	---	---	---
36	1	1	---	---	---	---	16	16	---	---	---	---
35	---	---	---	---	---	---	8	8	---	---	---	---
34	---	---	---	---	---	---	13	13	---	---	---	---
33	---	---	---	---	---	---	12	12	---	---	---	---
32	---	---	---	---	---	---	12	12	---	---	---	---
31	---	---	---	---	---	---	4	4	---	---	---	---
30	1	1	---	---	---	---	4	4	---	---	---	---
29	---	---	---	---	---	---	2	2	---	---	---	---
28	---	---	---	---	---	---	7	6	1	---	---	---
27	---	---	---	---	---	---	2	2	---	---	---	---
26	1	---	1	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	1	1	---	---	---	---
24	2	1	1	---	---	---	1	1	---	---	---	---
23	5	5	---	---	---	---	2	2	---	---	---	---
22	2	2	---	---	---	---	6	6	---	---	---	---
21	7	6	1	---	---	---	1	1	---	---	---	---
20	1	1	---	---	---	---	3	2	1	---	---	---
19	5	4	1	---	---	---	3	2	1	---	---	---
≤ 18	34	2	---	---	32	---	9	7	1	---	1	---

DOMESTIC

Total	1,549	5	3	1,254	159	128	1,479	1	2	1,226	126	124
28	1	---	1	---	---	---	---	---	---	---	---	---
24	1	---	1	---	---	---	1	---	1	---	---	---
21	---	---	---	---	---	---	1	---	1	---	---	---
19	1	---	1	---	---	---	---	---	---	---	---	---

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORT OF KALAMA, WA - continued

Inbound

Outbound

DOMESTIC

≤ 18	1,546	5	----	1,254	159	128	1,477	1	----	1,226	126	124
										Total trips:		3,232

MULTNOMAH CHANNEL, OR

Upbound

Downbound

Grand Total	2,252	154	----	1,508	590	----	2,251	155	----	1,500	590	6
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DOMESTIC

Total	2,252	154	----	1,508	590	----	2,251	155	----	1,500	590	6
14	-----	-----	-----	-----	-----	-----	5	-----	-----	5	-----	-----
13	-----	-----	-----	-----	-----	-----	225	-----	-----	225	-----	-----
12	29	-----	-----	-----	29	-----	2	-----	-----	-----	-----	2
11	26	-----	-----	3	23	-----	6	-----	-----	6	-----	-----
10	6	-----	-----	6	-----	-----	62	-----	-----	14	48	-----
9	180	-----	-----	10	170	-----	184	-----	-----	14	170	-----
8	144	-----	-----	93	51	-----	443	-----	-----	391	52	-----
7	132	-----	-----	117	15	-----	123	-----	-----	108	15	-----
6	121	-----	-----	120	1	-----	128	-----	-----	124	3	1
5	1,151	-----	-----	1,149	2	-----	503	-----	-----	501	2	-----
4	78	-----	-----	9	69	-----	178	-----	-----	109	69	-----
3	179	152	-----	1	26	-----	181	152	-----	3	26	-----
2	204	-----	-----	-----	204	-----	208	-----	-----	-----	205	3
1	2	2	-----	-----	-----	-----	3	3	-----	-----	-----	-----
										Total trips:		4,503

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR

Upbound

Downbound

Grand Total	2,937	615	----	1,262	1,017	43	2,982	638	----	1,289	1,019	36
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FOREIGN

Total	419	419	----	----	----	----	440	438	----	1	1	----
40	-----	-----	-----	-----	-----	-----	5	5	-----	-----	-----	-----
39	1	1	-----	-----	-----	-----	7	7	-----	-----	-----	-----
38	1	1	-----	-----	-----	-----	9	9	-----	-----	-----	-----
37	1	1	-----	-----	-----	-----	10	10	-----	-----	-----	-----
36	3	3	-----	-----	-----	-----	26	26	-----	-----	-----	-----
35	10	10	-----	-----	-----	-----	16	16	-----	-----	-----	-----
34	27	27	-----	-----	-----	-----	42	42	-----	-----	-----	-----
33	30	30	-----	-----	-----	-----	40	40	-----	-----	-----	-----
32	26	26	-----	-----	-----	-----	39	39	-----	-----	-----	-----
31	29	29	-----	-----	-----	-----	13	13	-----	-----	-----	-----

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR - continued

Upbound

Downbound

FOREIGN

30	28	28	---	---	---	---	23	23	---	---	---	---
29	28	28	---	---	---	---	17	17	---	---	---	---
28	33	33	---	---	---	---	20	20	---	---	---	---
27	30	30	---	---	---	---	22	22	---	---	---	---
26	36	36	---	---	---	---	35	35	---	---	---	---
25	45	45	---	---	---	---	31	31	---	---	---	---
24	42	42	---	---	---	---	37	37	---	---	---	---
23	22	22	---	---	---	---	20	20	---	---	---	---
22	18	18	---	---	---	---	16	16	---	---	---	---
21	4	4	---	---	---	---	8	8	---	---	---	---
20	1	1	---	---	---	---	2	2	---	---	---	---
19	1	1	---	---	---	---	---	---	---	---	---	---
17	1	1	---	---	---	---	---	---	---	---	---	---
16	1	1	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	1	---	---	---	1	---
10	---	---	---	---	---	---	1	---	---	1	---	---
8	1	1	---	---	---	---	---	---	---	---	---	---

DOMESTIC

Total	2,518	196	---	1,262	1,017	43	2,542	200	---	1,288	1,018	36
15	1	---	---	---	1	---	1	---	---	---	1	---
14	140	---	---	119	21	---	133	---	---	111	22	---
13	2	---	---	---	---	2	7	---	---	---	7	---
12	4	---	---	---	2	2	61	---	---	1	60	---
11	199	34	---	165	---	---	196	34	---	159	3	---
10	557	---	---	541	16	---	685	---	---	543	142	---
9	182	---	---	100	79	3	203	---	---	124	79	---
8	115	22	---	84	8	1	98	26	---	70	2	---
7	78	---	---	53	24	1	75	---	---	60	11	4
6	327	140	---	148	36	3	303	140	---	154	9	---
5	87	---	---	47	31	9	87	---	---	61	24	2
4	74	---	---	5	65	4	53	---	---	5	46	2
3	627	---	---	---	623	4	469	---	---	---	469	---
2	125	---	---	---	111	14	171	---	---	---	143	28
Total trips:											5,919	

PORT OF VANCOUVER, WA

Inbound

Outbound

Grand Total	3,703	235	9	2,953	265	241	3,721	244	9	2,962	266	240
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FOREIGN

Total	222	211	8	---	3	---	225	212	8	1	4	---
40	---	---	---	---	---	---	6	6	---	---	---	---
39	---	---	---	---	---	---	2	2	---	---	---	---
38	---	---	---	---	---	---	13	13	---	---	---	---

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORT OF VANCOUVER, WA - continued
Inbound

Outbound

FOREIGN

37	---	---	---	---	---	---	13	13	---	---	---	---
36	---	---	---	---	---	---	24	24	---	---	---	---
35	4	4	---	---	---	---	12	12	---	---	---	---
34	1	1	---	---	---	---	13	13	---	---	---	---
33	3	3	---	---	---	---	14	14	---	---	---	---
32	6	5	1	---	---	---	12	12	---	---	---	---
31	2	2	---	---	---	---	4	4	---	---	---	---
30	6	6	---	---	---	---	4	4	---	---	---	---
29	18	18	---	---	---	---	14	13	1	---	---	---
28	14	12	2	---	---	---	11	10	1	---	---	---
27	15	13	2	---	---	---	11	10	1	---	---	---
26	10	10	---	---	---	---	14	14	---	---	---	---
25	9	8	1	---	---	---	11	10	1	---	---	---
24	10	10	---	---	---	---	8	7	1	---	---	---
23	12	12	---	---	---	---	4	3	1	---	---	---
22	12	12	---	---	---	---	7	7	---	---	---	---
21	27	26	1	---	---	---	6	6	---	---	---	---
20	15	14	1	---	---	---	6	6	---	---	---	---
19	24	24	---	---	---	---	2	2	---	---	---	---
≤ 18	34	31	---	---	3	---	14	7	2	1	4	---

DOMESTIC

Total	3,481	24	1	2,953	262	241	3,496	32	1	2,961	262	240
34	1	---	1	---	---	---	---	1	---	---	---	---
28	---	---	---	---	---	---	1	---	---	---	---	---
27	2	2	---	---	---	---	2	2	---	---	---	---
26	2	2	---	---	---	---	2	2	---	---	---	---
25	1	1	---	---	---	---	2	2	---	---	---	---
24	1	1	---	---	---	---	1	---	1	---	---	---
≤ 18	3,474	18	---	2,953	262	241	3,488	25	---	2,961	262	240
Total trips:											7,424	---

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR
Upbound

Downbound

Grand Total	7,646	774	---	1,918	3,660	1,294	7,684	809	---	1,919	3,661	1,295
-------------	-------	-----	-----	-------	-------	-------	-------	-----	-----	-------	-------	-------

DOMESTIC

Total	7,646	774	---	1,918	3,660	1,294	7,684	809	---	1,919	3,661	1,295
17	---	---	---	---	---	---	3	---	---	---	3	---
16	---	---	---	---	---	---	171	---	---	---	171	---
15	2	---	---	---	2	---	93	---	---	---	93	---
14	31	---	---	3	28	---	372	---	1	---	147	224
13	307	---	---	---	200	107	573	---	---	---	301	272
12	249	---	---	76	77	96	642	97	---	66	268	211
11	226	---	---	126	11	89	264	---	---	93	142	29

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR - continued

Upbound

Downbound

DOMESTIC

10	598	12	---	300	200	86	657	12	---	297	308	40
9	533	---	---	199	227	107	386	---	---	187	180	19
8	586	47	---	355	39	145	573	37	---	378	152	6
7	560	---	---	313	112	135	378	---	---	308	65	5
≤ 6	4,554	715	---	546	2,764	529	3,572	663	---	589	1,831	489
											Total trips:	15,330

COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR TO McNARY LOCK AND DAM, OR AND WA

Upbound

Downbound

Grand

Total	4,428	43	---	882	2,232	1,271	4,459	41	---	914	2,232	1,272
--------------	--------------	-----------	------------	------------	--------------	--------------	--------------	-----------	------------	------------	--------------	--------------

DOMESTIC

Total	4,428	43	---	882	2,232	1,271	4,459	41	---	914	2,232	1,272
17	---	---	---	---	---	---	3	---	---	---	3	---
16	---	---	---	---	---	---	166	---	---	---	166	---
15	1	---	---	---	1	---	91	---	---	---	91	---
14	24	---	---	---	24	---	362	---	---	---	141	221
13	232	---	---	---	116	116	633	---	---	---	375	258
12	279	---	---	31	154	94	396	---	---	32	155	209
11	192	---	---	102	4	86	207	---	---	68	111	28
10	541	12	---	277	168	84	537	12	---	301	188	36
9	360	---	---	87	168	105	224	---	---	87	121	16
8	422	31	---	246	7	138	379	29	---	283	61	6
7	255	---	---	93	27	135	122	---	---	85	32	5
6	126	---	---	43	11	72	95	---	---	56	37	2
5	80	---	---	3	30	47	61	---	---	2	26	33
4	72	---	---	---	47	25	169	---	---	---	60	109
3	1,368	---	---	---	1,077	291	822	---	---	---	552	270
2	476	---	---	---	398	78	192	---	---	---	113	79
											Total trips:	8,887

PORT OF PORTLAND, OR

Inbound

Outbound

Grand

Total	20,441	3,011	180	9,035	6,224	1,991	20,421	3,015	169	9,014	6,230	1,993
--------------	---------------	--------------	------------	--------------	--------------	--------------	---------------	--------------	------------	--------------	--------------	--------------

FOREIGN

Total	1,125	1,010	41	12	49	13	1,150	1,011	48	20	55	16
40	1	1	---	---	---	---	20	19	1	---	---	---
39	1	1	---	---	---	---	21	21	---	---	---	---
38	4	2	2	---	---	---	39	39	---	---	---	---
37	4	2	2	---	---	---	42	41	1	---	---	---

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORT OF PORTLAND, OR - continued
Inbound

Outbound

FOREIGN

36	28	24	4	---	---	---	51	51	---	---	---	---
35	18	17	1	---	---	---	46	44	2	---	---	---
34	64	63	1	---	---	---	63	63	---	---	---	---
33	64	64	---	---	---	---	66	64	2	---	---	---
32	38	38	---	---	---	---	73	69	4	---	---	---
31	40	38	2	---	---	---	24	24	---	---	---	---
30	48	47	1	---	---	---	55	54	1	---	---	---
29	58	53	5	---	---	---	39	38	1	---	---	---
28	71	67	4	---	---	---	58	57	1	---	---	---
27	73	69	4	---	---	---	52	50	2	---	---	---
26	73	73	---	---	---	---	78	73	5	---	---	---
25	83	78	5	---	---	---	67	63	4	---	---	---
24	83	81	1	1	---	---	83	79	4	---	---	---
23	57	55	2	---	---	---	43	40	3	---	---	---
22	68	68	---	---	---	---	40	36	4	---	---	---
21	39	39	---	---	---	---	32	30	2	---	---	---
20	83	40	---	---	41	2	38	20	2	2	14	---
19	46	45	1	---	---	---	13	12	1	---	---	---
≤ 18	81	45	6	11	8	11	107	24	8	18	41	16

DOMESTIC

Total	19,316	2,001	139	9,023	6,175	1,978	19,271	2,004	121	8,994	6,175	1,977
38	1	---	1	---	---	---	---	---	---	---	---	---
37	2	---	2	---	---	---	---	---	---	---	---	---
36	5	---	5	---	---	---	---	---	---	---	---	---
35	12	---	12	---	---	---	---	---	---	---	---	---
34	11	---	11	---	---	---	3	---	3	---	---	---
33	4	---	4	---	---	---	4	---	4	---	---	---
32	7	---	7	---	---	---	3	---	3	---	---	---
31	21	---	21	---	---	---	1	---	1	---	---	---
30	14	---	14	---	---	---	3	---	3	---	---	---
29	13	---	13	---	---	---	10	3	7	---	---	---
28	8	---	8	---	---	---	5	---	5	---	---	---
27	7	---	7	---	---	---	10	---	10	---	---	---
26	11	---	11	---	---	---	9	---	9	---	---	---
25	5	---	5	---	---	---	18	---	18	---	---	---
24	8	---	8	---	---	---	4	---	4	---	---	---
23	3	---	3	---	---	---	8	---	8	---	---	---
22	---	---	---	---	---	---	1	---	1	---	---	---
21	5	---	1	---	---	4	1	---	1	---	---	---
20	17	---	1	3	9	4	21	---	18	3	---	---
19	10	---	---	---	2	8	1	---	---	---	---	1
≤ 18	19,152	2,001	5	9,020	6,164	1,962	19,169	2,001	26	8,991	6,175	1,976
											Total trips:	40,862

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OR

Upbound							Downbound					
Grand Total	6,564	1,219	-----	2,338	3,006	1	6,612	1,218	-----	2,391	3,003	-----
DOMESTIC												
Total	6,564	1,219	-----	2,338	3,006	1	6,612	1,218	-----	2,391	3,003	-----
12	-----	-----	-----	-----	-----	-----	4	-----	-----	-----	4	-----
11	-----	-----	-----	-----	-----	-----	8	-----	-----	-----	8	-----
10	1	-----	-----	1	-----	-----	12	-----	-----	-----	12	-----
9	1	-----	-----	1	-----	-----	12	-----	-----	-----	12	-----
8	232	227	-----	5	-----	-----	243	227	-----	6	10	-----
7	5	-----	-----	5	-----	-----	39	-----	-----	13	26	-----
6	1,804	129	-----	1,673	2	-----	1,918	127	-----	1,695	96	-----
5	489	72	-----	87	330	-----	636	72	-----	92	472	-----
4	1,624	639	-----	566	419	-----	2,608	639	-----	585	1,384	-----
3	408	152	-----	-----	255	1	471	152	-----	-----	319	-----
2	2,000	-----	-----	-----	2,000	-----	660	-----	-----	-----	660	-----
1	-----	-----	-----	-----	-----	-----	1	1	-----	-----	-----	-----
Total trips:											13,176	

COOS BAY, OR

Inbound							Outbound					
Grand Total	1,501	227	-----	1,121	62	91	1,512	227	-----	1,113	83	89
FOREIGN												
Total	241	227	-----	3	3	8	262	227	-----	13	9	13
35	-----	-----	-----	-----	-----	-----	8	-----	-----	-----	-----	-----
34	4	4	-----	-----	-----	-----	19	19	-----	-----	-----	-----
33	3	3	-----	-----	-----	-----	35	35	-----	-----	-----	-----
32	5	5	-----	-----	-----	-----	27	27	-----	-----	-----	-----
31	6	6	-----	-----	-----	-----	29	29	-----	-----	-----	-----
30	11	11	-----	-----	-----	-----	28	28	-----	-----	-----	-----
29	14	14	-----	-----	-----	-----	6	6	-----	-----	-----	-----
28	19	19	-----	-----	-----	-----	16	16	-----	-----	-----	-----
27	15	15	-----	-----	-----	-----	11	11	-----	-----	-----	-----
26	32	32	-----	-----	-----	-----	17	17	-----	-----	-----	-----
25	18	18	-----	-----	-----	-----	6	6	-----	-----	-----	-----
24	16	16	-----	-----	-----	-----	1	1	-----	-----	-----	-----
23	17	17	-----	-----	-----	-----	7	7	-----	-----	-----	-----
22	10	10	-----	-----	-----	-----	3	3	-----	-----	-----	-----
21	8	8	-----	-----	-----	-----	4	4	-----	-----	-----	-----
20	22	22	-----	-----	-----	-----	3	3	-----	-----	-----	-----
19	12	12	-----	-----	-----	-----	3	3	-----	-----	-----	-----
18	7	7	-----	-----	-----	-----	2	2	-----	-----	-----	-----
17	4	4	-----	-----	-----	-----	6	-----	-----	6	-----	-----
16	9	1	-----	-----	-----	8	11	-----	-----	-----	2	9
15	1	-----	-----	-----	1	-----	2	-----	-----	-----	1	1
14	1	-----	-----	1	-----	-----	3	-----	-----	3	-----	-----

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

COOS BAY, OR - continued

Inbound

Outbound

FOREIGN

13	1	---	---	1	---	---	6	1	---	4	---	1
≤ 12	6	3	---	1	2	---	9	1	---	---	6	2

DOMESTIC

Total	1,260	---	---	1,118	59	83	1,250	---	---	1,100	74	76
19	1	---	---	---	---	1	---	---	---	---	---	---
18	1	---	---	---	---	---	---	---	---	---	---	---
17	10	---	---	---	---	10	6	---	---	---	4	2
16	27	---	---	25	---	2	17	---	---	17	---	---
15	34	---	---	34	---	---	29	---	---	29	---	---
14	16	---	---	16	---	---	17	---	---	14	3	---
13	27	---	---	26	1	---	42	---	---	27	15	---
≤ 12	1,144	---	---	1,017	58	69	1,139	---	---	1,013	52	74
Total trips:											3,013	

COLUMBIA RIVER SYSTEM

Upbound

Downbound

Grand Total	43,214	12,168	207	19,551	8,691	2,597	43,443	12,401	185	19,357	8,985	2,515
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FOREIGN

Total	2,093	1,811	56	112	95	19	2,054	1,797	65	94	81	17
40	2	2	---	---	---	---	40	37	3	---	---	---
39	1	1	---	---	---	---	32	32	---	---	---	---
38	5	3	2	---	---	---	60	60	---	---	---	---
37	5	3	2	---	---	---	68	67	1	---	---	---
36	17	13	4	---	---	---	117	117	---	---	---	---
35	24	22	2	---	---	---	83	81	2	---	---	---
34	40	39	1	---	---	---	166	166	---	---	---	---
33	46	46	---	---	---	---	162	160	2	---	---	---
32	50	49	1	---	---	---	137	133	4	---	---	---
31	47	45	2	---	---	---	43	43	---	---	---	---
30	63	62	1	---	---	---	77	76	1	---	---	---
29	100	95	5	---	---	---	68	66	2	---	---	---
28	105	99	6	---	---	---	92	89	3	---	---	---
27	107	101	6	---	---	---	83	80	3	---	---	---
26	109	108	1	---	---	---	103	98	5	---	---	---
25	118	112	6	---	---	---	98	93	5	---	---	---
24	145	142	2	1	---	---	110	105	5	---	---	---
23	120	117	3	---	---	---	67	63	4	---	---	---
22	141	141	---	---	---	---	68	64	4	---	---	---
21	137	135	2	---	---	---	51	48	3	---	---	---
20	181	137	1	---	41	2	56	36	3	2	15	---
19	146	141	2	3	---	---	30	25	2	3	---	---
18	98	92	5	---	1	---	37	27	7	1	2	---
17	41	33	2	4	2	---	11	8	3	---	---	---

WCSC: PACIFIC COAST, ALASKA AND HAWAII

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

COLUMBIA RIVER SYSTEM - continued
Upbound

Downbound

FOREIGN

16	52	20	---	29	3	---	37	7	2	28	---	---
15	43	11	---	29	3	---	32	3	---	26	3	---
14	7	5	---	---	1	1	3	1	1	1	---	---
13	10	5	---	4	---	1	14	2	---	---	2	10
12	16	3	---	6	5	2	32	1	---	3	28	---
11	27	---	---	4	23	---	24	---	---	---	21	3
10	34	2	---	27	3	2	30	1	---	24	5	---
9	8	5	---	3	---	---	3	---	---	3	---	---
8	11	9	---	---	2	---	2	2	---	---	---	---
7	6	4	---	---	2	---	3	3	---	---	---	---
6	8	5	---	---	3	---	1	1	---	---	---	---
5	6	3	---	---	3	---	3	2	---	1	---	---
4	15	1	---	2	1	11	6	---	---	2	---	4
3	2	---	---	---	2	---	4	---	---	---	4	---
2	---	---	---	---	---	---	1	---	---	---	1	---

DOMESTIC

Total	41,121	10,357	151	19,439	8,596	2,578	41,389	10,604	120	19,263	8,904	2,498
38	1	---	1	---	---	---	---	---	---	---	---	---
37	2	---	2	---	---	---	---	---	---	---	---	---
36	5	---	5	---	---	---	---	---	---	---	---	---
35	12	---	12	---	---	---	---	---	---	---	---	---
34	13	---	13	---	---	---	3	---	3	---	---	---
33	5	---	5	---	---	---	4	---	4	---	---	---
32	7	---	7	---	---	---	3	---	3	---	---	---
31	21	---	21	---	---	---	1	---	1	---	---	---
30	15	---	15	---	---	---	3	1	2	---	---	---
29	13	---	13	---	---	---	10	3	7	---	---	---
28	9	---	9	---	---	---	6	1	5	---	---	---
27	10	2	8	---	---	---	12	2	10	---	---	---
26	14	2	12	---	---	---	11	2	9	---	---	---
25	7	1	6	---	---	---	19	2	17	---	---	---
24	11	1	10	---	---	---	4	---	4	---	---	---
23	3	---	3	---	---	---	8	---	8	---	---	---
22	---	---	---	---	---	---	1	---	1	---	---	---
21	5	---	1	---	---	4	2	---	2	---	---	---
20	19	---	1	5	9	4	21	---	18	3	---	---
19	12	---	1	---	2	9	1	---	---	---	---	1
18	30	---	---	4	1	25	23	---	1	4	---	18
17	26	---	---	---	2	24	18	---	1	---	4	13
16	134	---	---	25	95	14	102	---	---	23	78	1
15	101	---	---	32	57	12	113	---	---	33	55	25
14	589	---	---	341	119	129	526	---	---	341	87	98
13	1,081	---	---	562	320	199	966	---	---	561	207	198
12	745	---	---	313	255	177	728	97	---	313	154	164
11	1,580	34	---	1,411	68	67	1,664	34	---	1,412	152	66
10	4,250	12	1	3,874	280	83	4,262	12	2	3,875	290	83
9	2,493	3	5	1,990	379	116	2,507	3	22	1,989	378	115
8	2,034	376	---	1,392	165	101	2,016	376	---	1,391	147	102
7	3,129	18	---	2,863	124	124	3,127	18	---	2,863	123	123

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

COLUMBIA RIVER SYSTEM - continued

Upbound

Downbound

DOMESTIC

6	5,540	936	----	4,286	196	122	5,538	936	----	4,285	195	122
5	2,696	484	----	1,467	619	126	2,695	484	----	1,466	619	126
4	2,735	639	----	824	1,073	199	3,091	640	----	668	1,584	199
3	9,181	6,886	----	50	1,646	599	9,167	6,886	----	36	1,646	599
2	4,368	738	----	----	3,186	444	4,512	882	----	----	3,185	445
1	225	225	----	----	----	----	225	225	----	----	----	----
Total trips:											86,657	

ALSEA BAY AND RIVER, OR

No Vessel Trips Reported

CHETCO RIVER, OR

No Vessel Trips Reported

CHINOOK CHANNEL, WA

No Vessel Trips Reported

CLATSKANIE RIVER, OR

(6 feet and less)

Upbound

Downbound

Grand Total	----	----	----	----	----	----	1	----	----	1	----	1
Total trips:												

COLUMBIA RIVER AT BAKERS BAY, WA

(8 feet and less)

Upbound

Downbound

Grand Total	3	----	----	2	1	----	3	----	----	2	1	----
Total trips:												6

COLUMBIA SLOUGH, OR

No Vessel Trips Reported

COOS AND MILLICOMA RIVERS, OR

(7 feet and less)

Upbound

Downbound

Grand Total	24	----	----	24	----	----	24	----	----	24	----	48
Total trips:												

WCSC: PACIFIC COAST, ALASKA AND HAWAII

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

COQUILLE RIVER, OR
No Vessel Trips Reported

COWLITZ RIVER, WA
No Vessel Trips Reported

DEEP RIVER, WA
(11 feet and less)

				Upbound						Downbound		
Grand Total	37	----	----	37	----	----	32	----	----	32	----	----
										Total trips:		69

DEPOE BAY, OR
No Vessel Trips Reported

ELOKOMIN SLOUGH, WA
No Vessel Trips Reported

GRAYS RIVER, WA
No Vessel Trips Reported

LAKE RIVER, WA
(5 feet and less)

				Upbound						Downbound		
Grand Total	112	112	----	----	----	----	112	112	----	----	----	----
										Total trips:		224

LEWIS RIVER, WA
No Vessel Trips Reported

PORT OF ST. HELENS, OR
(12 feet and less)

				Inbound						Outbound		
Grand Total	1	----	----	1	----	----	1	----	----	1	----	----
										Total trips:		2

PORT ORFORD, OR
No Vessel Trips Reported

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

ROGUE RIVER, OR
(2 feet and less)

(2 feet and less)				Upbound				Downbound				
Grand Total	1,205	1,205	-----	-----	-----	-----	1,205	1,205	-----	-----	-----	-----
Total trips:											2,410	

SIUSLAW RIVER, OR
(8 feet and less)

(6 feet and less)											
Upbound											
Downbound											
Grand Total	1										
				1							

SKAMOKAWA (STEAMBOAT) SLOUGH, WA
No Vessel Trips Reported**SKAMOKAWA CREEK, WA**
No Vessel Trips Reported**SKIPANON CHANNEL, OR**
(11 feet and less)

				Upbound				Downbound				
Grand Total	105	-----	-----	69	36	-----	80	-----	-----	44	36	-----
											Total trips:	185

SMITH RIVER, OR
No Vessel Trips Reported**TILLAMOOK BAY AND BAR, OR**
No Vessel Trips Reported**UMPQUA RIVER, OR**
(14 feet and less)

(14 feet and less)				Upbound				Downbound				
Grand Total	416	-----	-----	240	176	-----	399	-----	-----	236	163	-----
Total trips:											815	

WESTPORT SLOUGH, OR
(3 feet and less)

(0 feet and less)												
		Upbound						Downbound				
Grand Total	6,552	6,552	-----	-----	-----	-----	6,552	6,552	-----	-----	-----	-----
											Total trips:	13,104

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

YAQUINA BAY AND HARBOR, OR

(30 feet and less)

	Upbound						Downbound					
Grand Total	17	9	-----	5	3	-----	23	11	1	6	5	-----
	Total trips: 40											

YAQUINA RIVER, OR

No Vessel Trips Reported

YOUNGS BAY AND YOUNGS RIVER, OR

(12 feet and less)

	Upbound						Downbound					
Grand Total	91	-----	-----	79	12	-----	99	1	-----	86	12	-----
	Total trips: 190											

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

GRAYS HARBOR AND CHEHALIS RIVER, WA

Inbound							Outbound					
Grand Total	483	172	-----	267	32	12	488	153	-----	280	38	17

FOREIGN

Total	172	172	-----	-----	-----	-----	153	153	-----	-----	-----	-----
35	-----	-----	-----	-----	-----	-----	5	5	-----	-----	-----	-----
34	1	1	-----	-----	-----	-----	21	21	-----	-----	-----	-----
33	-----	-----	-----	-----	-----	-----	17	17	-----	-----	-----	-----
32	-----	-----	-----	-----	-----	-----	14	14	-----	-----	-----	-----
31	-----	-----	-----	-----	-----	-----	5	5	-----	-----	-----	-----
30	2	2	-----	-----	-----	-----	10	10	-----	-----	-----	-----
29	3	3	-----	-----	-----	-----	5	5	-----	-----	-----	-----
28	3	3	-----	-----	-----	-----	7	7	-----	-----	-----	-----
27	7	7	-----	-----	-----	-----	12	12	-----	-----	-----	-----
26	9	9	-----	-----	-----	-----	11	11	-----	-----	-----	-----
25	10	10	-----	-----	-----	-----	6	6	-----	-----	-----	-----
24	9	9	-----	-----	-----	-----	5	5	-----	-----	-----	-----
23	5	5	-----	-----	-----	-----	4	4	-----	-----	-----	-----
22	11	11	-----	-----	-----	-----	2	2	-----	-----	-----	-----
21	15	15	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
20	20	20	-----	-----	-----	-----	2	2	-----	-----	-----	-----
19	14	14	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
18	12	12	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
17	4	4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
16	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
15	1	1	-----	-----	-----	-----	1	1	-----	-----	-----	-----
14	6	6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
≤ 12	38	38	-----	-----	-----	-----	26	26	-----	-----	-----	-----

DOMESTIC

Total	311	-----	-----	267	32	12	335	-----	-----	280	38	17
16	1	-----	-----	1	-----	-----	1	-----	-----	1	-----	-----
15	4	-----	-----	4	-----	-----	7	-----	-----	4	3	-----
14	16	-----	-----	16	-----	-----	17	-----	-----	13	4	-----
13	16	-----	-----	16	-----	-----	28	-----	-----	20	7	1
≤ 12	274	-----	-----	230	32	12	282	-----	-----	242	24	16
Total trips:											971	

PORT ANGELES HARBOR, WA

Inbound							Outbound					
Grand Total	3,371	448	32	2,327	222	342	3,378	423	32	2,344	242	337

FOREIGN

Total	248	91	6	75	73	3	252	73	5	85	87	2
30	6	5	1	-----	-----	-----	33	30	3	-----	-----	-----
29	1	1	-----	-----	-----	-----	2	1	1	-----	-----	-----

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORT ANGELES HARBOR, WA - continued

Inbound

Outbound

FOREIGN

28	2	2	---	---	---	---	5	5	---	---	---	---
27	3	3	---	---	---	---	1	1	---	---	---	---
26	6	4	2	---	---	---	5	5	---	---	---	---
25	5	5	---	---	---	---	3	2	1	---	---	---
24	3	2	1	---	---	---	1	1	---	---	---	---
23	1	1	---	---	---	---	5	4	---	1	---	---
22	5	5	---	---	---	---	2	2	---	---	---	---
21	6	5	---	1	---	---	2	2	---	---	---	---
19	9	9	---	---	---	---	9	9	---	---	---	---
≤ 18	201	49	2	74	73	3	184	11	---	84	87	2

DOMESTIC

Total	3,123	357	26	2,252	149	339	3,126	350	27	2,259	155	335
30	2	---	2	---	---	---	2	---	2	---	---	---
29	---	---	---	---	---	---	1	---	1	---	---	---
28	1	---	1	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	1	---	1	---	---	---
26	2	---	2	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	1	---	1	---	---	---
22	200	---	1	199	---	---	209	---	---	209	---	---
20	1	---	---	1	---	---	1	---	---	1	---	---
19	2	---	---	1	---	1	---	---	---	---	---	---
≤ 18	2,915	357	20	2,051	149	338	2,911	350	22	2,049	155	335
Total trips:											6,749	

PORT TOWNSEND HARBOR, WA

Inbound

Outbound

Grand Total	5,076	4,460	---	370	212	34	5,042	4,457	---	337	215	33
-------------	-------	-------	-----	-----	-----	----	-------	-------	-----	-----	-----	----

FOREIGN

Total	63	9	---	20	34	---	69	6	---	23	40	---
≤ 20	63	9	---	20	34	---	69	6	---	23	40	---

DOMESTIC

Total	5,013	4,451	---	350	178	34	4,973	4,451	---	314	175	33
≤ 20	5,013	4,451	---	350	178	34	4,973	4,451	---	314	175	33
Total trips:											10,118	

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORT GAMBLE HARBOR, WA

	Inbound						Outbound					
Grand Total	116	----	----	104	7	5	110	----	----	98	7	5

DOMESTIC

Total	116	----	----	104	7	5	110	----	----	98	7	5
16	1	----	----	1	----	----	1	----	----	1	----	1
15	1	----	----	1	----	----	3	----	----	1	2	----
14	1	----	----	1	----	----	4	----	----	1	3	----
13	1	----	----	1	----	----	1	----	----	1	----	----
≤ 12	113	----	----	101	7	5	101	----	----	95	2	4
Total trips:											226	

HAMMERSLEY INLET, WA

	Upbound						Downbound					
Grand Total	455	----	----	262	193	----	454	----	----	261	193	----

DOMESTIC

Total	455	----	----	262	193	----	454	----	----	261	193	----
10	186	----	----	186	----	----	180	----	----	180	----	----
9	21	----	----	21	----	----	23	----	----	23	----	----
8	3	----	----	3	----	----	22	----	----	3	19	----
7	41	----	----	41	----	----	52	----	----	45	7	----
≤ 6	204	----	----	11	193	----	177	----	----	10	167	----
Total trips:											909	

OLYMPIA HARBOR, WA

	Inbound						Outbound					
Grand Total	442	8	----	316	105	13	439	7	----	313	106	13

FOREIGN

Total	14	8	----	3	3	----	13	7	----	3	3	----
29	1	----	----	1	----	----	1	1	----	----	----	----
28	1	1	----	1	----	----	1	1	----	----	----	----
26	----	----	----	----	----	----	2	2	----	----	----	----
25	2	2	----	----	----	----	1	1	----	----	----	----
21	1	1	----	----	----	----	2	2	----	----	----	----
20	2	2	----	3	3	----	6	----	----	3	3	----
≤ 18	8	2	----	3	3	----	6	----	----	3	3	----

DOMESTIC

Total	428	----	----	313	102	13	426	----	----	310	103	13
≤ 18	428	----	----	313	102	13	426	----	----	310	103	13
Total trips:											881	

WCSC: PACIFIC COAST, ALASKA AND HAWAII

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

TACOMA HARBOR, WA

Inbound							Outbound					
Grand Total	21,999	8,636	128	10,799	1,358	1,078	21,898	8,673	128	10,689	1,333	1,075

FOREIGN

Total	1,423	664	34	327	330	68	1,345	670	36	284	293	62
47	---	---	---	---	---	---	1	---	1	---	---	---
46	---	---	---	---	---	---	1	---	1	---	---	---
45	---	---	---	---	---	---	1	1	---	---	---	---
42	1	1	---	---	---	---	2	1	1	---	---	---
41	4	3	1	---	---	---	2	2	---	---	---	---
40	---	---	---	---	---	---	8	8	---	---	---	---
39	6	4	2	---	---	---	16	16	---	---	---	---
38	7	7	---	---	---	---	3	3	---	---	---	---
37	14	13	1	---	---	---	4	4	---	---	---	---
36	12	11	1	---	---	---	16	16	---	---	---	---
35	18	18	---	---	---	---	17	17	---	---	---	---
34	22	22	---	---	---	---	43	43	---	---	---	---
33	28	28	---	---	---	---	63	62	1	---	---	---
32	43	43	---	---	---	---	88	88	---	---	---	---
31	23	23	---	---	---	---	13	13	---	---	---	---
30	29	29	---	---	---	---	75	72	3	---	---	---
29	33	33	---	---	---	---	22	20	2	---	---	---
28	44	42	2	---	---	---	40	35	5	---	---	---
27	47	47	---	---	---	---	41	37	4	---	---	---
26	62	58	4	---	---	---	72	67	5	---	---	---
25	39	35	4	---	---	---	29	27	2	---	---	---
24	37	35	2	---	---	---	35	34	1	---	---	---
23	54	50	4	---	---	---	44	41	3	---	---	---
22	24	21	3	---	---	---	8	7	1	---	---	---
21	34	31	3	---	---	---	15	14	1	---	---	---
20	47	38	1	1	---	7	31	23	---	2	4	2
19	17	14	1	1	---	1	6	3	1	2	---	---
18	25	21	3	---	1	---	9	6	1	1	1	---
17	13	8	1	1	3	---	4	3	---	---	1	---
16	25	14	1	4	6	---	52	1	---	1	49	1
15	19	4	---	8	7	---	6	---	1	5	---	---
14	93	3	---	73	14	3	118	2	---	74	13	29
13	38	5	---	22	5	6	25	3	---	19	1	2
≤ 12	565	3	---	217	294	51	435	1	2	180	224	28

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

TACOMA HARBOR, WA - continued
Inbound

Outbound

DOMESTIC

Total	20,576	7,972	94	10,472	1,028	1,010	20,553	8,003	92	10,405	1,040	1,013
42	4	—	4	—	—	—	—	—	—	—	—	—
41	12	—	12	—	—	—	—	—	—	—	—	—
40	5	—	5	—	—	—	—	—	—	—	—	—
39	1	—	1	—	—	—	—	—	—	—	—	—
33	—	—	—	—	—	—	27	27	—	—	—	—
32	1	1	—	—	—	—	27	24	3	—	—	—
31	5	5	—	—	—	—	14	12	2	—	—	—
30	7	6	1	—	—	—	19	18	1	—	—	—
29	9	9	—	—	—	—	8	6	2	—	—	—
28	32	32	—	—	—	—	8	5	3	—	—	—
27	20	20	—	—	—	—	10	3	7	—	—	—
26	17	15	2	—	—	—	6	3	3	—	—	—
25	124	124	—	—	—	—	125	124	1	—	—	—
24	1	1	—	—	—	—	14	14	—	—	—	—
23	—	—	—	—	—	—	1	—	1	—	—	—
22	59	—	—	59	—	—	57	—	2	55	—	—
21	2	—	—	—	—	2	1	—	—	—	—	1
20	6	—	—	3	—	3	6	—	—	4	—	2
19	2	—	—	—	—	2	14	—	—	—	—	14
18	104	—	—	100	—	4	106	1	—	100	—	5
17	4,402	—	—	4,401	—	1	4,400	—	—	4,385	—	15
16	164	—	—	163	—	1	135	—	—	133	—	2
15	140	—	—	98	9	33	128	—	—	102	—	26
14	416	—	—	392	7	17	423	—	—	418	1	4
13	69	—	—	42	14	13	65	1	—	58	—	6
≤ 12	14,974	7,759	69	5,214	998	934	14,959	7,765	67	5,150	1,039	938
											Total trips:	43,897

SEATTLE HARBOR, WA

Inbound

Outbound

Grand Total	52,657	34,115	154	13,898	2,300	2,190	52,749	34,130	153	13,948	2,335	2,183
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FOREIGN

Total	2,622	998	19	782	807	16	2,707	1,025	18	807	839	18
38	—	—	—	—	—	—	16	16	—	—	—	—
36	32	32	—	—	—	—	74	74	—	—	—	—
35	15	15	—	—	—	—	5	5	—	—	—	—
34	12	12	—	—	—	—	3	3	—	—	—	—
33	145	143	2	—	—	—	157	157	—	—	—	—
32	21	21	—	—	—	—	31	30	1	—	—	—
31	9	8	1	—	—	—	18	18	—	—	—	—
30	185	184	1	—	—	—	282	281	1	—	—	—
29	21	21	—	—	—	—	9	9	—	—	—	—
28	25	23	2	—	—	—	6	6	—	—	—	—

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SEATTLE HARBOR, WA - continued
Inbound

Outbound

FOREIGN

27	9	9	---	---	---	---	7	6	1	---	---	---
26	206	206	---	---	---	---	183	182	1	---	---	---
25	9	7	2	---	---	---	7	7	---	---	---	---
24	6	6	---	---	---	---	8	7	1	---	---	---
23	118	117	1	---	---	---	83	83	---	---	---	---
22	33	11	---	---	22	---	10	8	2	---	---	---
21	19	14	---	2	3	---	8	8	---	---	---	---
20	71	66	3	1	1	---	47	46	1	---	---	---
19	8	5	1	---	2	---	5	4	---	1	---	---
≤ 18	1,678	98	6	779	779	16	1,748	75	10	806	839	18

DOMESTIC

Total	50,035	33,117	135	13,116	1,493	2,174	50,042	33,105	135	13,141	1,496	2,165
37	---	---	---	---	---	---	2	---	2	---	---	---
36	1	---	1	---	---	---	---	---	---	---	---	---
35	1	---	1	---	---	---	1	---	1	---	---	---
34	2	1	1	---	---	---	15	14	1	---	---	---
33	8	7	1	---	---	---	21	21	---	---	---	---
32	7	6	1	---	---	---	13	13	---	---	---	---
31	4	4	---	---	---	---	10	9	1	---	---	---
30	9	5	4	---	---	---	9	7	2	---	---	---
29	14	10	4	---	---	---	6	3	3	---	---	---
28	14	12	2	---	---	---	9	5	4	---	---	---
27	13	7	6	---	---	---	8	5	3	---	---	---
26	14	9	5	---	---	---	2	2	---	---	---	---
25	15	11	4	---	---	---	5	2	3	---	---	---
24	7	1	6	---	---	---	7	6	1	---	---	---
23	1	1	---	---	---	---	1	---	1	---	---	---
22	265	---	---	265	---	---	271	---	1	270	---	---
21	1	1	---	---	---	---	---	---	---	---	---	---
20	28	---	---	27	---	1	29	---	1	28	---	---
19	4	1	---	3	---	---	4	1	---	3	---	---
≤ 18	49,627	33,041	99	12,821	1,493	2,173	49,629	33,017	111	12,840	1,496	2,165
										Total trips:	105,406	

LAKE WASHINGTON SHIP CANAL, WA
Upbound

Downbound

Grand Total	3,665	1,504	8	1,542	538	73	3,612	1,503	4	1,546	503	56
-------------	-------	-------	---	-------	-----	----	-------	-------	---	-------	-----	----

FOREIGN

Total	194	29	3	81	80	1	198	29	2	85	82	---
26	---	---	---	---	---	---	1	1	---	---	---	---
25	1	---	1	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	1	1	---	---	---	---
≤ 22	193	29	2	81	80	1	196	27	2	85	82	---

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

LAKE WASHINGTON SHIP CANAL, WA - continued

Upbound

Downbound

DOMESTIC

Total	3,471	1,475	5	1,461	458	72	3,414	1,474	2	1,461	421	56
≤ 22	3,471	1,475	5	1,461	458	72	3,414	1,474	2	1,461	421	56
											Total trips:	7,277

EVERETT HARBOR AND SNOHOMISH RIVER, WA

Inbound

Outbound

Grand Total	3,535	672	1	2,460	329	73	3,508	672	-----	2,435	334	67
----------------	-------	-----	---	-------	-----	----	-------	-----	-------	-------	-----	----

FOREIGN

Total	275	87	-----	65	123	-----	279	86	-----	66	127	-----
37	-----	-----	-----	-----	-----	-----	1	1	-----	-----	-----	-----
36	-----	-----	-----	-----	-----	-----	1	1	-----	-----	-----	-----
35	1	1	-----	-----	-----	-----	1	1	-----	-----	-----	-----
34	3	3	-----	-----	-----	-----	5	5	-----	-----	-----	-----
33	3	3	-----	-----	-----	-----	12	12	-----	-----	-----	-----
32	1	1	-----	-----	-----	-----	14	14	-----	-----	-----	-----
31	-----	-----	-----	-----	-----	-----	2	2	-----	-----	-----	-----
30	3	3	-----	-----	-----	-----	3	3	-----	-----	-----	-----
29	-----	-----	-----	-----	-----	-----	1	1	-----	-----	-----	-----
28	1	1	-----	-----	-----	-----	2	2	-----	-----	-----	-----
27	2	2	-----	-----	-----	-----	1	1	-----	-----	-----	-----
26	4	4	-----	-----	-----	-----	17	17	-----	-----	-----	-----
25	3	3	-----	-----	-----	-----	2	2	-----	-----	-----	-----
24	6	6	-----	-----	-----	-----	9	9	-----	-----	-----	-----
23	10	10	-----	-----	-----	-----	6	6	-----	-----	-----	-----
22	1	1	-----	-----	-----	-----	3	3	-----	-----	-----	-----
21	8	8	-----	-----	-----	-----	4	3	-----	-----	1	-----
20	17	17	-----	-----	-----	-----	2	2	-----	-----	-----	-----
19	1	1	-----	-----	-----	-----	1	-----	-----	-----	1	-----
≤ 18	211	23	-----	65	123	-----	192	1	-----	66	125	-----

DOMESTIC

Total	3,260	585	1	2,395	206	73	3,229	586	-----	2,369	207	67
22	15	-----	-----	15	-----	-----	17	-----	-----	17	-----	-----
≤ 18	3,245	585	1	2,380	206	73	3,212	586	-----	2,352	207	67
											Total trips:	7,043

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SWINOMISH CHANNEL, WA

Upbound

Downbound

Grand Total	425	222	----	201	2	----	450	226	----	175	49	----
--------------------	------------	------------	-------------	------------	----------	-------------	------------	------------	-------------	------------	-----------	-------------

DOMESTIC

Total	425	222	----	201	2	----	450	226	----	175	49	----
12	2	----	----	2	----	----	----	----	----	----	----	----
10	67	----	----	67	----	----	57	----	----	56	1	----
9	19	----	----	18	1	----	19	----	----	12	7	----
8	59	----	----	59	----	----	50	----	----	50	----	----
7	120	70	----	50	----	----	128	74	----	54	----	----
≤ 6	158	152	----	5	1	----	196	152	----	3	41	----
Total trips:											875	

ANACORTES HARBOR, WA

Inbound

Outbound

Grand Total	8,881	5,907	198	2,245	33	498	8,878	5,907	200	2,244	30	497
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FOREIGN

Total	379	66	35	149	25	104	371	66	30	147	23	105
50	----	----	----	----	----	----	1	----	1	----	----	----
47	1	----	1	----	----	----	----	----	----	----	----	----
45	----	----	----	----	----	----	2	----	2	----	----	----
44	3	----	3	----	----	----	2	----	2	----	----	----
43	----	----	----	----	----	----	1	----	1	----	----	----
42	1	----	1	----	----	----	----	----	----	----	----	----
41	2	----	2	----	----	----	2	----	2	----	----	----
40	1	----	1	----	----	----	----	----	----	----	----	----
39	1	----	1	----	----	----	3	----	3	----	----	----
38	----	----	----	----	----	----	2	----	2	----	----	----
36	2	----	2	----	----	----	3	----	3	----	----	----
35	2	----	2	----	----	----	4	----	4	----	----	----
34	2	----	2	----	----	----	----	----	----	----	----	----
33	----	----	----	----	----	----	4	1	3	----	----	----
32	----	----	----	----	----	----	7	5	2	----	----	----
31	----	----	----	----	----	----	1	----	1	----	----	----
30	2	----	2	----	----	----	1	----	1	----	----	----
29	3	----	3	----	----	----	1	1	----	----	----	----
28	5	1	4	----	----	----	2	2	----	----	----	----
27	----	----	----	----	----	----	2	1	1	----	----	----
26	1	----	1	----	----	----	5	4	1	----	----	----
24	2	----	2	----	----	----	----	----	----	----	----	----
23	7	2	5	----	----	----	----	----	----	----	----	----
22	3	2	1	----	----	----	2	1	----	----	1	----
21	2	2	----	----	----	----	----	----	----	----	----	----
20	4	3	----	----	----	1	----	----	----	----	----	----
19	3	1	1	1	----	----	1	----	----	----	1	----
≤ 18	332	55	1	148	25	103	325	51	1	147	21	105

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

ANACORTES HARBOR, WA - continued
Inbound

Outbound

DOMESTIC

Total	8,502	5,841	163	2,096	8	394	8,507	5,841	170	2,097	7	392
50	---	---	---	---	---	---	1	---	1	---	---	---
48	1	---	1	---	---	---	---	---	---	---	---	---
45	1	---	1	---	---	---	---	---	---	---	---	---
44	4	---	4	---	---	---	---	---	---	---	---	---
43	7	---	7	---	---	---	---	---	---	---	---	---
42	3	---	3	---	---	---	---	---	---	---	---	---
41	22	---	22	---	---	---	---	---	---	---	---	---
40	44	---	44	---	---	---	2	---	2	---	---	---
39	8	---	8	---	---	---	2	---	2	---	---	---
38	4	---	4	---	---	---	2	---	2	---	---	---
37	1	---	1	---	---	---	6	---	6	---	---	---
36	5	---	5	---	---	---	4	---	4	---	---	---
35	---	---	---	---	---	---	4	---	4	---	---	---
34	2	---	2	---	---	---	4	---	4	---	---	---
33	2	---	2	---	---	---	13	---	13	---	---	---
32	4	---	4	---	---	---	15	---	15	---	---	---
31	---	---	---	---	---	---	4	---	4	---	---	---
30	2	---	2	---	---	---	11	---	11	---	---	---
29	6	---	6	---	---	---	3	---	3	---	---	---
28	1	---	1	---	---	---	---	---	---	---	---	---
27	3	---	3	---	---	---	2	---	2	---	---	---
26	2	---	2	---	---	---	3	---	3	---	---	---
25	4	---	4	---	---	---	5	---	5	---	---	---
24	1	---	1	---	---	---	69	---	69	---	---	---
22	336	---	---	336	---	---	358	---	---	358	---	---
21	---	---	---	---	---	---	1	---	---	---	---	1
20	6	---	1	4	---	1	8	---	3	4	---	1
19	4	---	3	---	---	1	---	---	---	---	---	---
≤ 18	8,029	5,841	32	1,756	8	392	7,990	5,841	17	1,735	7	390
										Total trips:	17,759	

BELLINGHAM BAY AND HARBOR, WA
Inbound

Outbound

Grand Total	1,846	538	22	1,110	142	34	1,852	535	24	1,122	129	42
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FOREIGN

Total	293	207	18	34	33	1	294	202	19	34	38	1
33	1	1	---	---	---	---	5	3	2	---	---	---
32	1	1	---	---	---	---	---	---	---	---	---	---
31	1	1	---	---	---	---	2	2	---	---	---	---
30	---	---	---	---	---	---	2	2	---	---	---	---
29	---	---	---	---	---	---	6	5	1	---	---	---
28	4	3	1	---	---	---	11	8	3	---	---	---
27	5	5	---	---	---	---	8	7	1	---	---	---

WCSC: PACIFIC COAST, ALASKA AND HAWAII

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

BELLINGHAM BAY AND HARBOR, WA - continued

Inbound

Outbound

FOREIGN

26	11	9	2	---	---	---	6	3	3	---	---	---
25	7	5	2	---	---	---	7	6	1	---	---	---
24	11	10	1	---	---	---	8	7	1	---	---	---
23	4	1	3	---	---	---	4	2	2	---	---	---
22	4	1	1	---	2	---	4	2	2	---	---	---
21	3	1	2	---	---	---	3	2	---	1	---	---
20	13	3	2	5	3	---	9	2	1	5	1	---
19	9	7	2	---	---	---	1	---	1	---	---	---
≤ 18	219	159	2	29	28	1	218	151	1	28	37	1

DOMESTIC

Total	1,553	331	4	1,076	109	33	1,558	333	5	1,088	91	41
33	---	---	---	---	---	---	1	---	1	---	---	---
28	---	---	---	---	---	---	1	---	1	---	---	---
26	1	---	1	---	---	---	1	---	1	---	---	---
25	1	---	1	---	---	---	1	---	1	---	---	---
24	---	---	---	---	---	---	1	---	1	---	---	---
22	201	---	---	201	---	---	220	---	---	220	---	---
≤ 18	1,350	331	2	875	109	33	1,333	333	---	868	91	41
											Total trips:	3,698

BLAINE HARBOR, WA

No Vessel Trips Reported

COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WA

(8 feet and less)

Upbound

Downbound

Grand Total	14,000	14,000	---	---	---	---	14,004	14,000	---	4	---	---
											Total trips:	28,004

FLATHEAD LAKE, MT

No Vessel Trips Reported

HOQUIAM RIVER, WA

(14 feet and less)

Upbound

Downbound

Grand Total	172	---	---	172	---	---	170	---	---	170	---	---
											Total trips:	342

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

KOOTENAI RIVER, ID AND MT
No Vessel Trips Reported**NEAH BAY, WA**
(22 feet and less)

	Inbound						Outbound					
Grand Total	7	-----	-----	4	1	2	9	-----	-----	5	2	2
											Total trips:	16

QUILLAYUTE RIVER, WA
No Vessel Trips Reported**SKAGIT RIVER, WA**
(3 feet and less)

	Upbound						Downbound					
Grand Total	12	12	-----	-----	-----	-----	12	12	-----	-----	-----	-----
											Total trips:	24

STILLAGUAMISH RIVER, WA
No Vessel Trips Reported**WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WA**
(17 feet and less)

	Upbound						Downbound					
Grand Total	86	1	-----	85	-----	-----	67	1	-----	66	-----	-----
											Total trips:	153

WILLAPA RIVER AND HARBOR, AND NASELLE RIVER, WA
(12 feet and less)

	Inbound						Outbound					
Grand Total	8	-----	-----	-----	3	5	10	-----	-----	-----	4	6
											Total trips:	18

COEUR D'ALENE LAKE AND ST. JOE RIVER, ID
(7 feet and less)

	Upbound						Downbound					
Grand Total	848	-----	-----	848	-----	-----	848	-----	-----	848	-----	-----
											Total trips:	1,696

WCSC: PACIFIC COAST, ALASKA AND HAWAII

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

OTHER PUGET SOUND AREA PORTS, WA
(55 feet and less)

Inbound							Outbound						
Grand													
Total	113,349	105,867	280	5,147	1,286	769	113,581	105,835	297	5,268	1,396	785	
										Total trips:		226,930	

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

METLAKATLA HARBOR, AK

	Inbound						Outbound					
Grand Total	590	240	----	104	242	4	597	249	----	103	241	4

FOREIGN

Total	17	15	----	1	1	----	27	25	----	1	1	----
24	----	----	----	----	----	----	12	12	----	----	----	----
21	7	7	----	----	----	----	7	7	----	----	----	----
18	8	8	----	----	----	----	3	3	----	----	----	----
13	2	----	----	1	1	----	1	----	----	1	----	----
12	----	----	----	----	----	----	1	----	----	----	1	----
10	----	----	----	----	----	----	1	1	----	----	----	----
9	----	----	----	----	----	----	1	1	----	----	----	----
8	----	----	----	----	----	----	1	1	----	----	----	----

DOMESTIC

Total	573	225	----	103	241	4	570	224	----	102	240	4
15	67	67	----	----	----	----	67	67	----	----	----	----
13	153	153	----	----	----	----	153	153	----	----	----	----
12	18	----	----	18	----	----	18	----	----	18	----	----
10	29	----	----	28	1	----	28	----	----	28	----	----
9	31	1	----	20	9	1	29	1	----	21	7	----
8	6	----	----	6	----	----	5	----	----	4	----	1
7	3	----	----	----	3	----	3	----	----	----	3	----
6	36	4	----	31	----	1	43	3	----	31	9	----
5	1	----	----	----	1	----	42	----	----	----	42	----
4	52	----	----	----	51	1	110	----	----	----	109	1
3	2	----	----	----	1	1	10	----	----	----	8	2
2	175	----	----	----	175	----	62	----	----	----	62	----
Total trips:											1,187	

KETCHIKAN HARBOR, AK

	Inbound						Outbound					
Grand Total	3,965	2,141	10	875	864	75	3,798	1,945	11	883	875	84

FOREIGN

Total	894	831	----	29	34	----	708	637	----	35	36	----
34	1	1	----	----	----	----	10	10	----	----	----	----
30	----	----	----	----	----	----	32	32	----	----	----	----
29	27	27	----	----	----	----	20	20	----	----	----	----
28	19	19	----	----	----	----	78	78	----	----	----	----
27	68	68	----	----	----	----	41	41	----	----	----	----
26	52	52	----	----	----	----	14	14	----	----	----	----
25	6	6	----	----	----	----	91	91	----	----	----	----
24	79	79	----	----	----	----	22	22	----	----	----	----
23	22	22	----	----	----	----	56	56	----	----	----	----
22	57	57	----	----	----	----	----	----	----	----	----	----

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

KETCHIKAN HARBOR, AK - continued
Inbound

Outbound

FOREIGN

21	41	41	---	---	---	---	29	29	---	---	---	---
19	1	1	---	---	---	---	3	3	---	---	---	---
18	40	40	---	---	---	---	24	24	---	---	---	---
16	3	1	---	2	---	---	3	1	---	2	---	---
15	12	9	---	1	2	---	6	5	---	---	1	---
14	4	1	---	3	---	---	15	5	---	10	---	---
13	12	9	---	3	---	---	9	8	---	1	---	---
≤ 12	450	398	---	20	32	---	255	198	---	22	35	---

DOMESTIC

Total	3,071	1,310	10	846	830	75	3,090	1,308	11	848	839	84
36	---	---	---	---	---	---	1	---	1	---	---	---
34	1	---	1	---	---	---	---	---	---	---	---	---
28	2	---	2	---	---	---	---	---	---	---	---	---
27	1	---	1	---	---	---	---	---	---	---	---	---
26	3	---	3	---	---	---	---	---	---	---	---	---
25	1	---	1	---	---	---	6	---	6	---	---	---
24	1	---	1	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	1	---	1	---	---	---
22	---	---	---	---	---	---	1	---	1	---	---	---
20	1	---	1	---	---	---	2	---	2	---	---	---
18	2	---	---	2	---	---	2	---	---	2	---	---
17	7	---	---	7	---	---	5	---	---	5	---	---
16	50	---	---	48	---	2	49	---	---	47	---	2
15	676	630	---	17	18	11	659	630	---	15	3	11
14	22	---	---	10	11	1	15	---	---	7	8	---
13	505	498	---	6	---	1	506	498	---	8	---	---
≤ 12	1,799	182	---	756	801	60	1,843	180	---	764	828	71
										Total trips:		7,763

WRANGELL HARBOR, AK

Inbound

Outbound

Grand Total	1,732	535	---	733	436	28	1,688	532	---	725	406	25
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FOREIGN

Total	78	44	---	16	18	---	75	41	---	17	17	---
19	21	21	---	---	---	---	6	6	---	---	---	---
18	12	12	---	---	---	---	---	---	---	---	---	---
16	3	3	---	---	---	---	29	29	---	---	---	---
15	6	6	---	---	---	---	6	6	---	---	---	---
≤ 12	36	2	---	16	18	---	34	---	---	17	17	---

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

WRANGELL HARBOR, AK - continued
Inbound

Outbound

DOMESTIC

Total	1,654	491	----	717	418	28	1,613	491	----	708	389	25
17	2	---	---	2	---	---	---	---	---	---	---	---
16	5	---	---	5	---	---	4	---	---	4	---	---
15	445	437	---	8	---	---	447	436	---	10	1	---
14	4	---	---	4	---	---	6	---	---	6	---	---
13	12	1	---	11	---	---	19	---	---	9	10	---
≤ 12	1,186	53	---	687	418	28	1,137	55	---	679	378	25
Total trips:											3,420	

WRANGELL NARROWS, AK

Upbound

Downbound

Grand Total	2,298	1,184	----	604	443	67	1,785	716	----	608	421	40
--------------------	--------------	--------------	------	------------	------------	-----------	--------------	------------	------	------------	------------	-----------

FOREIGN

Total	1	1	----	----	----	----	3	3	----	----	----	----
≤ 12	1	1	----	----	----	----	3	3	----	----	----	----

DOMESTIC

Total	2,297	1,183	----	604	443	67	1,782	713	----	608	421	40
17	3	---	---	3	---	---	7	---	---	7	---	---
16	48	---	---	48	---	---	46	---	---	46	---	---
15	977	958	---	18	1	---	540	522	---	17	1	---
14	16	---	---	1	15	---	13	---	---	1	12	---
13	8	3	---	4	1	---	6	3	---	3	---	---
≤ 12	1,245	222	---	530	426	67	1,170	188	---	534	408	40
Total trips:											4,083	

HOONAH HARBOR, AK

Inbound

Outbound

Grand Total	417	270	----	80	64	3	413	268	----	77	65	3
--------------------	------------	------------	------	-----------	-----------	----------	------------	------------	------	-----------	-----------	----------

FOREIGN

Total	28	25	----	----	3	----	26	22	----	----	4	----
19	21	21	---	---	---	---	23	22	---	---	1	---
18	4	4	---	---	---	---	---	---	---	---	---	---
17	1	---	---	---	1	---	1	---	---	---	1	---
16	1	---	---	---	1	---	1	---	---	---	1	---
15	1	---	---	---	1	---	1	---	---	---	1	---

WCSC: PACIFIC COAST, ALASKA AND HAWAII

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HOONAH HARBOR, AK - continued

Inbound

Outbound

DOMESTIC

Total	389	245	----	80	61	3	387	246	----	77	61	3
15	238	238	----	----	----	----	238	238	----	----	----	----
14	2	----	----	1	1	----	2	----	----	1	1	----
13	4	3	----	1	----	----	4	3	----	1	----	----
12	17	----	----	4	13	----	24	----	----	4	20	----
11	8	----	----	8	----	----	8	----	----	8	----	----
10	42	----	----	40	2	----	39	----	----	39	----	----
9	4	1	----	3	----	----	19	1	----	3	15	----
8	15	----	----	14	1	----	15	1	----	14	----	----
7	12	2	----	9	----	1	8	1	----	7	----	----
6	23	----	----	----	22	1	4	1	----	----	1	2
5	1	----	----	----	1	----	1	----	----	----	1	----
4	1	1	----	----	----	----	8	1	----	----	7	----
3	12	----	----	----	11	1	7	----	----	----	6	1
2	10	----	----	----	10	----	10	----	----	----	10	----
Total trips:											830	

VALDEZ HARBOR, AK

Inbound

Outbound

Grand Total	1,799	1,066	655	49	21	8	1,860	1,065	698	62	21	14
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FOREIGN

Total	28	1	25	1	1	----	44	1	39	2	2	----
75	----	----	----	----	----	----	1	----	1	----	----	----
72	----	----	----	----	----	----	6	----	6	----	----	----
71	----	----	----	----	----	----	1	----	1	----	----	----
70	----	----	----	----	----	----	7	----	7	----	----	----
66	----	----	----	----	----	----	1	----	1	----	----	----
65	----	----	----	----	----	----	4	----	4	----	----	----
60	----	----	----	----	----	----	1	----	1	----	----	----
59	----	----	----	----	----	----	7	----	7	----	----	----
58	----	----	----	----	----	----	6	----	6	----	----	----
57	----	----	----	----	----	----	1	----	1	----	----	----
56	----	----	----	----	----	----	1	----	1	----	----	----
47	----	----	----	----	----	----	1	----	1	----	----	----
40	1	----	1	----	----	----	----	----	----	----	----	----
39	----	----	----	----	----	----	1	----	1	----	----	----
38	11	----	11	----	----	----	----	----	----	----	----	----
37	4	----	4	----	----	----	----	----	----	----	----	----
36	4	----	4	----	----	----	----	----	----	----	----	----
35	1	----	1	----	----	----	----	----	----	----	----	----
34	2	----	2	----	----	----	1	----	1	----	----	----
31	1	----	1	----	----	----	----	----	----	----	----	----
26	1	----	1	----	----	----	----	----	----	----	----	----
18	1	1	----	----	----	----	1	1	----	----	----	----

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

VALDEZ HARBOR, AK - continued
Inbound

Outbound

FOREIGN

15	---	---	---	---	---	---	1	---	---	1	---	---
≤ 12	2	---	---	1	1	---	3	---	---	1	2	---

DOMESTIC

Total	1,771	1,065	630	48	20	8	1,816	1,064	659	60	19	14
72	---	---	---	---	---	---	4	---	4	---	---	---
71	---	---	---	---	---	---	8	---	8	---	---	---
67	---	---	---	---	---	---	1	---	1	---	---	---
66	---	---	---	---	---	---	1	---	1	---	---	---
65	---	---	---	---	---	---	3	---	3	---	---	---
60	---	---	---	---	---	---	1	---	1	---	---	---
59	1	---	1	---	---	---	9	---	9	---	---	---
58	2	---	2	---	---	---	28	---	28	---	---	---
57	---	---	---	---	---	---	92	---	92	---	---	---
56	---	---	---	---	---	---	14	---	14	---	---	---
55	---	---	---	---	---	---	15	---	15	---	---	---
54	---	---	---	---	---	---	17	---	17	---	---	---
53	---	---	---	---	---	---	35	---	35	---	---	---
52	---	---	---	---	---	---	49	---	49	---	---	---
51	---	---	---	---	---	---	39	---	39	---	---	---
50	---	---	---	---	---	---	47	---	47	---	---	---
49	1	---	1	---	---	---	17	---	17	---	---	---
48	---	---	---	---	---	---	22	---	22	---	---	---
47	---	---	---	---	---	---	14	---	14	---	---	---
46	1	---	1	---	---	---	21	---	21	---	---	---
45	---	---	---	---	---	---	6	---	6	---	---	---
44	3	---	3	---	---	---	31	---	31	---	---	---
43	4	---	4	---	---	---	24	---	24	---	---	---
42	7	---	7	---	---	---	25	---	25	---	---	---
41	2	---	2	---	---	---	43	---	43	---	---	---
40	20	---	20	---	---	---	51	---	51	---	---	---
39	13	---	13	---	---	---	7	---	7	---	---	---
38	34	---	34	---	---	---	3	---	3	---	---	---
37	20	---	20	---	---	---	3	---	3	---	---	---
36	27	---	27	---	---	---	2	---	2	---	---	---
35	16	---	16	---	---	---	1	---	1	---	---	---
34	15	---	15	---	---	---	21	---	21	---	---	---
33	24	---	24	---	---	---	---	---	---	---	---	---
32	48	---	48	---	---	---	2	---	2	---	---	---
31	13	---	13	---	---	---	---	---	---	---	---	---
30	38	---	38	---	---	---	1	---	1	---	---	---
29	13	---	13	---	---	---	---	---	---	---	---	---
28	16	---	16	---	---	---	1	---	1	---	---	---
27	5	---	5	---	---	---	---	---	---	---	---	---
26	6	---	6	---	---	---	---	---	---	---	---	---
25	57	---	57	---	---	---	1	---	1	---	---	---
24	94	---	94	---	---	---	---	---	---	---	---	---
23	30	---	30	---	---	---	---	---	---	---	---	---
22	4	---	4	---	---	---	---	---	---	---	---	---
21	2	---	2	---	---	---	---	---	---	---	---	---

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

VALDEZ HARBOR, AK - continued

Inbound

Outbound

DOMESTIC

20	33	---	32	1	---	---	1	---	---	1	---	---
18	3	---	2	1	---	---	1	---	---	1	---	---
17	1	---	---	1	---	---	1	---	---	1	---	---
16	---	---	---	---	---	---	4	---	---	---	---	4
15	9	---	---	9	---	---	12	---	---	9	1	2
14	42	33	---	9	---	---	52	33	---	16	2	1
13	2	1	---	1	---	---	1	---	---	1	---	---
≤ 12	1,165	1,031	80	26	20	8	1,085	1,031	---	31	16	7
Total trips:											3,659	

SEWARD HARBOR, AK

Inbound

Outbound

Grand Total	498	391	---	56	50	1	499	390	---	57	50	2
-------------	-----	-----	-----	----	----	---	-----	-----	-----	----	----	---

FOREIGN

Total	125	124	---	1	---	---	126	124	---	1	---	1
38	---	---	---	---	---	---	4	4	---	---	---	---
33	2	2	---	---	---	---	2	2	---	---	---	---
32	2	2	---	---	---	---	1	1	---	---	---	---
31	3	3	---	---	---	---	2	2	---	---	---	---
30	2	2	---	---	---	---	2	2	---	---	---	---
29	1	1	---	---	---	---	3	3	---	---	---	---
28	8	8	---	---	---	---	9	9	---	---	---	---
27	29	29	---	---	---	---	28	28	---	---	---	---
26	21	21	---	---	---	---	20	20	---	---	---	---
25	3	3	---	---	---	---	2	2	---	---	---	---
24	21	21	---	---	---	---	20	20	---	---	---	---
23	5	5	---	---	---	---	4	4	---	---	---	---
22	1	1	---	---	---	---	---	---	---	---	---	---
21	2	2	---	---	---	---	3	3	---	---	---	---
20	2	2	---	---	---	---	3	3	---	---	---	---
19	1	1	---	---	---	---	2	2	---	---	---	---
18	12	12	---	---	---	---	11	11	---	---	---	---
17	1	1	---	---	---	---	1	1	---	---	---	---
16	2	2	---	---	---	---	2	2	---	---	---	---
15	3	3	---	---	---	---	2	2	---	---	---	---
14	1	1	---	---	---	---	1	1	---	---	---	---
13	1	1	---	---	---	---	2	1	---	---	---	1
12	1	---	---	1	---	---	1	---	---	1	---	---
11	1	1	---	---	---	---	1	1	---	---	---	---

DOMESTIC

Total	373	267	---	55	50	1	373	266	---	56	50	1
15	3	---	---	2	---	1	3	---	---	2	1	---
14	53	52	---	1	---	---	54	52	---	1	---	1

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SEWARD HARBOR, AK - continued

Inbound

Outbound

DOMESTIC

13	8	---	---	7	1	---	5	---	---	5	---	---
12	3	---	---	1	2	---	4	---	---	1	3	---
11	40	---	---	39	1	---	42	---	---	40	2	---
10	142	141	---	---	1	---	143	141	---	2	---	---
9	74	70	---	4	---	---	74	70	---	4	---	---
8	2	---	---	1	1	---	1	---	---	1	---	---
7	1	1	---	---	---	---	1	1	---	---	---	---
6	1	---	---	---	1	---	---	---	---	---	---	---
5	1	1	---	---	---	---	1	---	---	---	1	---
4	4	---	---	---	4	---	3	---	---	---	3	---
3	12	---	---	---	12	---	9	---	---	---	9	---
2	29	2	---	---	27	---	33	2	---	---	31	---
Total trips:											997	---

HOMER, AK

Inbound

Outbound

Grand Total	241	220	5	8	5	3	250	231	5	8	4	2
-------------	-----	-----	---	---	---	---	-----	-----	---	---	---	---

FOREIGN

Total	52	47	5	---	---	---	58	49	5	2	2	---
27	12	11	1	---	---	---	20	19	1	---	---	---
26	2	2	---	---	---	---	1	1	---	---	---	---
25	7	6	1	---	---	---	4	3	1	---	---	---
24	7	4	3	---	---	---	5	2	3	---	---	---
23	3	3	---	---	---	---	2	2	---	---	---	---
22	1	1	---	---	---	---	1	1	---	---	---	---
21	6	6	---	---	---	---	5	5	---	---	---	---
20	2	2	---	---	---	---	2	2	---	---	---	---
19	3	3	---	---	---	---	3	3	---	---	---	---
18	4	4	---	---	---	---	5	4	---	---	1	---
17	1	1	---	---	---	---	1	1	---	---	---	---
16	1	1	---	---	---	---	2	2	---	---	---	---
15	2	2	---	---	---	---	2	2	---	---	---	---
14	1	1	---	---	---	---	2	2	---	---	---	---
13	---	---	---	---	---	---	1	---	---	---	1	---
6	---	---	---	---	---	---	2	---	---	2	---	---

DOMESTIC

Total	189	173	---	8	5	3	192	182	---	6	2	2
18	1	---	---	1	---	---	1	---	---	1	---	---
16	1	---	---	---	1	---	---	---	---	---	---	---
15	2	---	---	2	---	---	2	---	---	2	---	---
14	116	115	---	1	---	---	116	115	---	1	---	---
12	1	---	---	---	---	---	1	---	---	1	---	---
11	2	---	---	2	---	---	1	---	---	1	---	---

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HOMER, AK - continued

Inbound

Outbound

DOMESTIC

10	3	1	---	1	---	1	1	---	---	---	---	1
9	1	1	---	---	---	---	---	---	---	---	---	---
7	1	---	---	---	---	1	2	1	---	---	1	---
6	---	---	---	---	---	---	1	1	---	---	1	---
5	2	---	---	---	2	---	1	1	---	---	---	---
4	40	37	---	---	2	1	51	51	---	---	---	---
3	17	17	---	---	---	---	11	10	---	---	---	1
2	2	2	---	---	---	---	3	3	---	---	---	---
Total trips:											491	

ANCHORAGE, AK

Inbound

Outbound

Grand Total	379	239	25	66	38	11	379	232	26	67	43	11
-------------	-----	-----	----	----	----	----	-----	-----	----	----	----	----

FOREIGN

Total	35	23	12	---	---	---	28	14	12	1	---	1
35	1	---	1	---	---	---	3	---	3	---	---	---
33	3	---	3	---	---	---	3	---	3	---	---	---
32	2	1	1	---	---	---	2	---	2	---	---	---
31	1	---	1	---	---	---	2	1	1	---	---	---
30	1	1	---	---	---	---	2	1	1	---	---	---
29	2	2	---	---	---	---	2	1	1	---	---	---
28	1	1	---	---	---	---	---	---	---	---	---	---
27	5	5	---	---	---	---	6	5	1	---	---	---
26	1	1	---	---	---	---	---	---	---	---	---	---
25	3	2	1	---	---	---	1	1	---	---	---	---
24	5	2	3	---	---	---	---	---	---	---	---	---
22	2	---	2	---	---	---	1	1	---	---	---	---
20	3	3	---	---	---	---	2	2	---	---	---	---
18	2	2	---	---	---	---	2	1	---	---	---	1
17	1	1	---	---	---	---	---	---	---	---	---	---
16	2	2	---	---	---	---	2	1	---	1	---	---

DOMESTIC

Total	344	216	13	66	38	11	351	218	14	66	43	10
35	4	---	4	---	---	---	---	---	---	---	---	---
33	20	19	1	---	---	---	---	---	---	---	---	---
32	35	33	2	---	---	---	---	---	---	---	---	---
31	13	12	1	---	---	---	4	4	---	---	---	---
30	6	6	---	---	---	---	10	9	---	---	---	---
29	6	4	2	---	---	---	24	21	3	---	---	---
28	---	---	---	---	---	---	28	28	---	---	---	---
27	1	1	---	---	---	---	18	18	---	---	---	---
26	---	---	---	---	---	---	13	10	3	---	---	---
25	123	122	1	---	---	---	124	122	2	---	---	---

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

ANCHORAGE, AK - continued

Inbound

Outbound

DOMESTIC

24	14	14	---	---	---	---	1	1	---	---	---	---
23	---	---	---	---	---	---	2	---	2	---	---	---
21	---	---	---	---	---	---	1	---	1	---	---	---
20	1	---	---	1	---	---	1	---	1	---	---	---
18	3	---	---	---	---	3	---	---	---	---	---	---
16	2	1	---	---	1	---	2	1	---	---	---	1
15	17	---	---	12	---	5	18	---	---	14	---	4
14	15	---	---	12	2	1	12	---	---	11	---	1
13	2	---	---	1	1	---	2	---	---	1	1	---
≤ 12	82	4	2	40	34	2	91	4	1	40	42	4
											Total trips:	758

KODIAK HARBOR, AK

Inbound

Outbound

Grand Total	572	329	2	80	151	10	560	323	---	79	150	8
-------------	-----	-----	---	----	-----	----	-----	-----	-----	----	-----	---

FOREIGN

Total	135	13	---	1	121	---	134	13	---	---	121	---
24	1	1	---	---	---	---	1	1	---	---	---	---
23	3	3	---	---	---	---	3	3	---	---	---	---
21	1	1	---	---	---	---	1	1	---	---	---	---
20	---	---	---	---	---	---	1	1	---	---	---	---
19	2	2	---	---	---	---	3	3	---	---	---	---
18	3	3	---	---	---	---	2	2	---	---	---	---
17	2	2	---	---	---	---	1	1	---	---	---	---
12	4	1	---	1	2	---	121	1	---	---	120	---
6	119	---	---	---	119	---	---	---	---	---	---	---
4	---	---	---	---	---	---	1	---	---	---	1	---

DOMESTIC

Total	437	316	2	79	30	10	426	310	---	79	29	8
32	---	---	---	---	---	---	1	1	---	---	---	---
31	3	3	---	---	---	---	2	2	---	---	---	---
30	5	5	---	---	---	---	6	6	---	---	---	---
29	16	16	---	---	---	---	18	18	---	---	---	---
28	28	28	---	---	---	---	29	29	---	---	---	---
27	22	22	---	---	---	---	23	23	---	---	---	---
26	16	15	1	---	---	---	9	9	---	---	---	---
25	1	1	---	---	---	---	1	1	---	---	---	---
24	1	1	---	---	---	---	1	1	---	---	---	---
16	1	1	---	---	---	---	1	1	---	---	---	---
15	19	3	---	16	---	---	17	1	---	16	---	---
14	120	104	---	15	---	1	116	104	---	12	---	---
13	1	1	---	---	---	---	4	2	---	2	---	---
12	2	1	---	---	1	---	2	1	---	---	1	---

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

KODIAK HARBOR, AK - continued

Inbound

Outbound

DOMESTIC

11	15	3	---	12	---	---	13	2	---	11	---	---
10	42	3	---	34	---	5	46	6	---	37	---	3
9	7	5	1	---	1	---	32	32	---	---	---	---
8	31	28	---	2	---	1	43	42	---	1	---	---
7	1	---	---	---	---	1	1	---	---	---	---	1
6	7	6	---	---	---	1	6	6	---	---	---	---
5	1	---	---	---	---	1	---	---	---	---	---	---
4	26	---	---	---	26	---	29	---	---	---	28	1
3	1	---	---	---	1	---	1	---	---	---	---	1
2	71	70	---	---	1	---	25	23	---	---	---	2
Total trips:											1,132	

UNALASKA BAY AND ISLAND, AK

Inbound

Outbound

Grand

Total	1,328	1,065	2	183	36	42	1,296	1,052	1	177	28	38
-------	-------	-------	---	-----	----	----	-------	-------	---	-----	----	----

FOREIGN

Total	529	519	2	5	3	---	539	534	1	3	1	---
34	56	56	---	---	---	---	56	56	---	---	---	---
33	10	10	---	---	---	---	14	14	---	---	---	---
32	19	19	---	---	---	---	16	16	---	---	---	---
31	8	8	---	---	---	---	7	7	---	---	---	---
30	4	4	---	---	---	---	3	3	---	---	---	---
29	3	2	1	---	---	---	4	4	---	---	---	---
28	5	5	---	---	---	---	7	7	---	---	---	---
27	1	1	---	---	---	---	1	1	---	---	---	---
26	3	3	---	---	---	---	4	4	---	---	---	---
25	5	5	---	---	---	---	6	6	---	---	---	---
24	6	6	---	---	---	---	8	8	---	---	---	---
23	6	5	---	---	1	---	14	14	---	---	---	---
22	11	11	---	---	---	---	11	11	---	---	---	---
21	23	23	---	---	---	---	26	26	---	---	---	---
20	34	34	---	---	---	---	38	38	---	---	---	---
19	45	44	1	---	---	---	49	48	1	---	---	---
18	46	46	---	---	---	---	49	49	---	---	---	---
17	63	63	---	---	---	---	59	59	---	---	---	---
16	47	47	---	---	---	---	42	41	---	---	1	---
15	33	33	---	---	---	---	28	28	---	---	---	---
14	32	30	---	1	1	---	23	22	---	1	---	---
13	28	27	---	1	---	---	27	27	---	---	---	---
12	18	17	---	1	---	---	25	25	---	---	---	---
11	11	11	---	---	---	---	12	12	---	---	---	---
10	2	1	---	1	---	---	3	3	---	---	---	---
9	2	1	---	1	---	---	3	3	---	---	---	---
8	1	1	---	---	---	---	1	1	---	---	---	---
7	1	---	---	---	1	---	2	---	---	2	---	---

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

UNALASKA BAY AND ISLAND, AK - continued
Inbound

Outbound

FOREIGN

6	4	4	---	---	---	---	---	---	---	---	---	---
5	1	1	---	---	---	---	1	1	---	---	---	---
3	1	1	---	---	---	---	---	---	---	---	---	---

DOMESTIC

Total	799	546	---	178	33	42	757	518	---	174	27	38
32	4	4	---	---	---	---	2	2	---	---	---	---
31	5	5	---	---	---	---	3	3	---	---	---	---
30	10	10	---	---	---	---	4	4	---	---	---	---
29	11	11	---	---	---	---	5	5	---	---	---	---
28	10	10	---	---	---	---	13	13	---	---	---	---
27	13	13	---	---	---	---	12	12	---	---	---	---
26	2	2	---	---	---	---	6	6	---	---	---	---
25	1	1	---	---	---	---	1	1	---	---	---	---
19	1	1	---	---	---	---	1	1	---	---	---	---
18	24	24	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	1	1	---	---	---	---
16	2	---	---	---	---	2	---	---	---	---	---	---
15	53	4	---	47	---	2	51	6	---	44	---	1
14	40	10	---	28	---	2	36	13	---	22	---	1
13	29	19	---	6	1	3	24	15	---	5	2	2
12	49	37	---	---	8	4	39	32	---	---	3	4
11	69	45	---	23	---	1	83	55	---	27	---	1
10	168	112	---	52	---	4	161	107	---	46	---	8
9	70	50	---	18	---	2	79	53	---	23	---	3
8	119	115	---	1	---	3	117	115	---	1	---	1
7	6	---	---	3	---	3	9	---	---	6	---	3
6	45	42	---	---	---	3	45	42	---	---	---	3
5	4	1	---	---	1	2	2	2	---	---	---	---
4	46	30	---	---	16	---	45	30	---	---	15	---
3	9	---	---	---	1	8	11	---	---	---	1	10
2	9	---	---	---	6	3	7	---	---	---	6	1
Total trips:											2,624	

BETHEL HARBOR, AK
(16 feet and less)

Inbound

Outbound

Grand Total	215	3	---	80	99	33	218	3	---	79	102	34
Total trips:											433	

CORDOVA HARBOR, AK
(16 feet and less)

Inbound

Outbound

Grand Total	337	202	---	76	55	4	329	202	---	71	53	3
Total trips:											666	

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

CRAIG HARBOR, AK
(13 feet and less)

	Inbound						Outbound					
Grand Total	65	1	-----	43	21	-----	67	4	-----	42	21	-----
											Total trips:	
											132	

DILLINGHAM HARBOR, AK
(16 feet and less)

	Inbound						Outbound					
Grand Total	85	3	-----	32	30	20	90	3	-----	33	33	21
											Total trips:	
											175	

DOUGLAS HARBOR, AK
(15 feet and less)

	Inbound						Outbound					
Grand Total	26	11	-----	4	11	-----	27	12	-----	4	11	-----
											Total trips:	
											53	

DRY PASS, AK

No Vessel Trips Reported

EGEGIK RIVER, AK
(13 feet and less)

	Inbound						Outbound					
Grand Total	40	2	-----	20	15	3	40	7	-----	19	12	2
											Total trips:	
											80	

ELFIN COVE HARBOR, AK
(10 feet and less)

	Inbound						Outbound					
Grand Total	10	-----	-----	5	-----	5	10	-----	-----	5	-----	5
											Total trips:	
											20	

GASTINEAU CHANNEL, AK

No Vessel Trips Reported

HUMBOLDT HARBOR, AK
(15 feet and less)

	Inbound						Outbound					
Grand Total	153	138	-----	14	1	-----	154	140	-----	12	2	-----
											Total trips:	
											307	

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

JUNEAU HARBOR, AK

(24 feet and less)

Upbound

Downbound

Grand Total	2,392	1,750	-----	323	282	37	2,360	1,733	-----	317	279	31
										Total trips:		4,752

KAKE HARBOR, AK

(25 feet and less)

Inbound

Outbound

Grand Total	233	116	-----	64	53	-----	228	117	-----	62	49	-----
										Total trips:		461

KING COVE LAGOON, AK

(15 feet and less)

Inbound

Outbound

Grand Total	232	172	-----	46	14	-----	238	171	-----	53	14	-----
										Total trips:		470

NAKNEK RIVER, AK

(17 feet and less)

Upbound

Downbound

Grand Total	183	30	-----	81	53	19	158	24	-----	71	45	18
										Total trips:		341

NINILCHIK HARBOR, AK

(4 feet and less)

Inbound

Outbound

Grand Total	9	9	-----	-----	-----	-----	4	4	-----	-----	-----	-----
										Total trips:		13

NOME, AK

(16 feet and less)

Inbound

Outbound

Grand Total	140	8	-----	74	53	5	136	9	-----	71	52	4
										Total trips:		276

OLD HARBOR, AK

(11 feet and less)

Inbound

Outbound

Grand Total	9	7	-----	1	-----	1	9	7	-----	1	-----	1
										Total trips:		18

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PELICAN HARBOR, AK
(15 feet and less)

	Inbound						Outbound					
Grand Total	67	17	-----	24	16	10	66	17	-----	24	15	10
											Total trips:	133

PETERSBURG HARBOR, AK
(17 feet and less)

	Inbound						Outbound					
Grand Total	1,217	567	-----	376	245	29	1,194	569	-----	348	248	29
											Total trips:	2,411

PORT ALEXANDER, AK
No Vessel Trips Reported

SELDOVIA HARBOR, AK
(16 feet and less)

	Inbound						Outbound					
Grand Total	61	57	-----	4	-----	-----	63	58	-----	4	1	-----
											Total trips:	124

SERGIUS AND WHITESTONE NARROWS, AK
(17 feet and less)

	Upbound						Downbound					
Grand Total	496	83	-----	210	202	1	495	79	-----	194	220	2
											Total trips:	991

SITKA HARBOR, AK
(25 feet and less)

	Inbound						Outbound					
Grand Total	2,083	1,683	-----	194	206	-----	2,133	1,694	-----	226	213	-----
											Total trips:	4,216

SKAGWAY HARBOR, AK
(30 feet and less)

	Inbound						Outbound					
Grand Total	819	644	-----	98	71	6	812	644	-----	96	71	1
											Total trips:	1,631

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
STIKINE RIVER, AK (6 feet and less)												
	Inbound						Outbound					
Grand Total	75	21	-----	39	15	-----	99	21	-----	39	39	-----
										Total trips:		174
AFOGNAK BAY, AK (32 feet and less)												
	Inbound						Outbound					
Grand Total	82	77	-----	2	3	-----	84	79	-----	2	3	-----
										Total trips:		166
CHATHAM STRAIT, AK (29 feet and less)												
	Upbound						Downbound					
Grand Total	1,921	1,024	-----	459	408	30	2,432	1,480	-----	463	433	56
										Total trips:		4,353
CLARENCE STRAIT, AK (34 feet and less)												
	Upbound						Downbound					
Grand Total	2,907	1,573	-----	657	623	54	2,544	1,119	6	710	661	48
										Total trips:		5,451
FREDERICK SOUND, AK (29 feet and less)												
	Upbound						Downbound					
Grand Total	1,835	825	-----	546	430	34	2,291	1,269	-----	548	431	43
										Total trips:		4,126
ICY STRAIT, AK (30 feet and less)												
	Upbound						Downbound					
Grand Total	3,163	2,624	-----	280	226	33	3,161	2,612	-----	300	224	25
										Total trips:		6,324
NICHOLS PASSAGE, AK (24 feet and less)												
	Upbound						Downbound					
Grand Total	589	244	-----	97	244	4	595	245	-----	107	239	4
										Total trips:		1,184

Trips and Drafts of Vessels, 1994
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

NIKISHKA, AK
(38 feet and less)

	Inbound						Outbound					
Grand Total	197	1	95	52	37	12	206	-----	97	53	43	13
	Total trips: 403											

PRINCE WALES IS. WEST SIDE, AK
(30 feet and less)

	Inbound						Outbound					
Grand Total	344	37	-----	168	128	11	346	35	-----	170	130	11
	Total trips: 690											

REVILLAGIGADO CHANNEL, AK
(36 feet and less)

	Upbound						Downbound					
Grand Total	3,059	2,125	10	453	423	48	2,782	1,892	5	422	425	38
	Total trips: 5,841											

STEPHENS PASSAGE, AK
(29 feet and less)

	Upbound						Downbound					
Grand Total	2,423	1,736	-----	347	307	33	2,421	1,738	-----	341	304	38
	Total trips: 4,844											

SUMNER STRAIT, AK
(17 feet and less)

	Upbound						Downbound					
Grand Total	2,479	1,201	-----	654	567	57	2,095	733	-----	675	628	59
	Total trips: 4,574											

TONGASS NARROWS, AK
(34 feet and less)

	Upbound						Downbound					
Grand Total	1,307	204	3	543	507	50	1,285	205	3	544	498	35
	Total trips: 2,592											

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Publication Commodity Codes Cross Reference List
(sorted by 1994 commodity codes)

1994 Commodity	1989 Commodity
0200 Vehicles	4115 Transported Vehicles (E.G. Ferried Autos)
.....	4116 Railway Cars (Loaded)
.....	4117 Railway Cars (Empty)
0300 Passengers	4114 Passengers Only
1100 Coal & Lignite	1121 Coal and Lignite
1200 Coke	2920 Coke, Including Petroleum Coke
2100 Crude Petroleum	1311 Crude Petroleum
2211 Gasoline	2911 Gasoline, Including Additives
.....	2912 Jet Fuel
2221 Kerosene	2913 Kerosene
2330 Distillate Fuel Oil	2914 Distillate Fuel Oil
2340 Residual Fuel Oil	2915 Residual Fuel Oil
2350 Lube Oil & Greases	2916 Lubricating Oil and Greases
2410 Petro. Jelly & Waxes	2991 Petroleum and Coal Products, NEC
2429 Naphtha & Solvents	2917 Naphtha, Mineral Spirits, Solvent, NEC
2430 Asphalt, Tar & Pitch	2918 Asphalt, Tar and Pitches
2540 Petroleum Coke	2920 Coke, Including Petroleum Coke
2640 Liquid Natural Gas	2921 Liquified Petroleum Gases, Coal Gas, Nat Gas/Liquid
2990 Petro. Products NEC	2991 Petroleum and Coal Products, NEC
.....	3113 Coke (coal & petroleum), petroleum pitches and
	asphalts, and naphtha and solvents
3110 Nitrogenous Fert.	2871 Nitrogenous Chemical Fertilizers, Except Mixtures
3120 Phosphatic Fert.	2873 Phosphatic Chemical Fertilizers, Except Mixtures
3130 Potassic Fert.	2872 Potassic Chemical Fertilizers, Except Mixtures
3190 Fert. & Mixes NEC	1479 Natural Fertilizer Materials, NEC
.....	2879 Fertilizers and Fertilizer Materials, NEC
3211 Acyclic Hydrocarbons	2811 Crude Products from Coal, Tar, Petroleum & Nat Gas
3212 Benzene & Toluene	2817 Benzene and Toluene, Crude and Commercially Pure
3219 Other Hydrocarbons	2811 Crude Products from Coal, Tar, Petroleum & Nat Gas
3220 Alcohols	2813 Alcohols
3230 Carboxylic Acids	2819 Basic Chemicals & Basic Chemical Products, NEC
3240 Nitrogen Func Comp	2819 Basic Chemicals & Basic Chemical Products, NEC
3250 Organo-Inorgan Comp	2819 Basic Chemicals & Basic Chemical Products, NEC
3260 Organic Comp NEC	2819 Basic Chemicals & Basic Chemical Products, NEC
3271 Sulphur (Liquid)	1493 Sulphur, Liquid
3272 Sulphuric Acid	2818 Sulphuric Acid
3273 Ammonia	2819 Basic Chemicals & Basic Chemical Products, NEC
3274 Sodium Hydroxide	2810 Sodium Hydroxide (Caustic Soda)
3275 Inorg. Elem., Oxides, & Halogen Salts	2819 Basic Chemicals & Basic Chemical Products, NEC
3276 Metallic Salts	2819 Basic Chemicals & Basic Chemical Products, NEC
3279 Inorganic Chem. NEC	2819 Basic Chemicals & Basic Chemical Products, NEC
3281 Radioactive Material	2816 Radioactive & Associated Materials, Including Waste
3282 Pigments & Paints	2851 Paints, Varnishes, Lacquers, Enamels & Allied Prods
3283 Coloring Mat. NEC	2812 Dyes, Organic Pigment, Dyeing & Tanning Materials
3284 Medicines	2831 Drugs (Biological Prod, Medicinal Chem, Pharmaceut)
3285 Perfumes & Cleansers	2841 Soap, Detergents & Cleaning Preps, Perfume, Cosmetics
3286 Plastics	2821 Plastics, Cellulose & Resins, Film, Sheeting, Laminate
3291 Pesticides	2876 Insecticides, Fungicides, Pesticides & Disinfectants
3292 Starches, Gluten, Glue	2891 Miscellaneous Chemical Products
3293 Explosives	1911 Ordnance and Accessories
3297 Chemical Additives	2891 Miscellaneous Chemical Products

Publication Commodity Codes Cross Reference List (continued)
(sorted by 1994 commodity codes)

1994 Commodity	1989 Commodity
3298 Wood & Resin Chem.	2861 Gum and Wood Chemicals
3299 Chem. Products NEC	2891 Miscellaneous Chemical Products
4110 Rubber & Gums	0841 Crude Rubber and Allied Gums
4150 Fuel Wood	2413 Fuel Wood, Charcoal and Wastes
4161 Wood Chips	2416 Wood Chips, Staves, Molding and Excelsior
4170 Wood in the Rough	2411 Logs
.....	2412 Rafted Logs
.....	2414 Timber, Posts, Poles, Piling & Other Wood in the Rough
.....	2415 Pulpwood Logs
4189 Lumber	2421 Lumber
4190 Forest Products NEC	0861 Forest Products, Not Elsewhere Classified
4225 Pulp & Waste Paper	2611 Pulp
.....	4024 Paper Waste and Scrap
4310 Building Stone	1412 Building Stone, Unworked
4322 Limestone	1411 Limestone Flux and Calcareous Stone
4323 Gypsum	1494 Gypsum, Crude and Plasters
4327 Phosphate Rock	1471 Phosphate Rock
4331 Sand & Gravel	1442 Sand, Gravel and Crushed Rock
4333 Dredged Material	4029 Waste and Scrap, Not Elsewhere Classified
4335 Waterway Improv. Mat	4118 Waterway Improvement Materials, Govt Materials
4338 Soil & Fill Dirt	1499 Nonmetallic Minerals, Except Fuels, NEC
4410 Iron Ore	1011 Iron Ore and Concentrates
4420 Iron & Steel Scrap	4011 Iron and Steel Scrap
4515 Marine Shells	0931 Marine Shells, Unmanufactured
4630 Copper Ore	1021 Copper Ore and Concentrates
4650 Aluminum Ore	1051 Bauxite and Other Aluminum Ores and Concentrates
4670 Manganese Ore	1061 Manganese Ores and Concentrates
4680 Non-Ferrous Scrap	4012 Nonferrous Metal Scrap
4690 Non-Ferrous Ores NEC	1091 Nonferrous Metal Ores and Concentrates, NEC
4741 Sulphur, (Dry)	1492 Sulphur, Dry
4782 Clay & Refrac. Mat.	1451 Clay, Ceramic and Refractory Materials
4783 Salt	1491 Salt
4860 Slag	3312 Slag
4900 Non-Metal. Min. NEC	1499 Nonmetallic Minerals, Except Fuels, NEC
5110 Newsprint	2621 Standard Newsprint Paper
5120 Paper & Paperboard	2631 Paper and Paperboard
5190 Paper Products NEC	2691 Pulp, Paper and Paperboard Products, NEC
5210 Lime	3271 Lime
5220 Cement & Concrete	3241 Building Cement
5240 Glass & Glass Prod.	3211 Glass and Glass Products
5290 Misc. Mineral Prod.	2951 Asphalt Building Materials
.....	3251 Structural Clay Products, Including Refractories
.....	3281 Cut Stone and Stone Products
.....	3291 Miscellaneous Nonmetallic Mineral Products
5312 Pig Iron	3311 Pig Iron
5315 Ferro Alloys	3318 Ferroalloys
5320 I&S Primary Forms	3314 Iron and Steel Ingots and Other Primary Forms
5330 I&S Plates & Sheets	3316 Iron and Steel Plates and Sheets
5360 I&S Bars & Shapes	3315 Iron and Steel Bars, Rods, Angles, Shapes & Sections
5370 I&S Pipe & Tube	3317 Iron and Steel Pipe and Tube
5390 Primary I&S NEC	3319 Primary Iron & Steel Prods, NEC Incl Rough Castings
5421 Copper	3322 Copper & Copper Alloys, Refined, Unrefined, Unworked

Publication Commodity Codes Cross Reference List (continued)
(sorted by 1994 commodity codes)

1994 Commodity	1989 Commodity
5422 Aluminum	3324 Aluminum and Aluminum Alloys, Unworked
5429 Smelted Prod. NEC	3321 Nonferrous Metals Primary Smelter Prod, Wire Castng
.....	3323 Lead and Zinc Including Alloys, Unworked
5480 Fab. Metal Products	3411 Fabricated Metal Prods, Exc Machinery, Transp Equip
5540 Primary Wood Prod.	2431 Veneer, Plywood and Other Worked Wood
6134 Fish (Not Shellfish)	0911 Fresh Fish, Except Shellfish
.....	0913 Menhaden
6136 Shellfish	0912 Shellfish, Except Prepared or Preserved
6241 Wheat	0107 Wheat
6344 Corn	0103 Corn
6442 Rice	0105 Rice
6443 Barley & Rye	0102 Barley and Rye
6445 Oats	0104 Oats
6447 Sorghum Grains	0106 Sorghum Grains
6521 Peanuts	0119 Oilseeds, Not Elsewhere Classified
6522 Soybeans	0111 Soybeans
6534 Flaxseed	0112 Flaxseed
6590 Oilseeds NEC	0119 Oilseeds, Not Elsewhere Classified
6653 Vegetable Oils	2091 Vegetable Oils, All Grades; Margarine & Shortening
6654 Vegetables & Prod.	0141 Fresh and Frozen Vegetables
.....	2034 Vegetables & Preparations, Canned, Prepared & Presvd
6746 Wheat Flour	2041 Wheat Flour and Semolina
6747 Grain Mill Products	2049 Grain Mill Products, Not Elsewhere Classified
6781 Hay & Fodder	0122 Hay and Fodder
6782 Animal Feed, Prep.	2042 Animal Feeds
6811 Meat, Fresh, Frozen	2011 Meat, Fresh, Chilled, or Frozen
6817 Meat, Prepared	2012 Meat & Meat Products Prepared, Preserved or Canned
6822 Dairy Products	2021 Dairy Products, Except Dried Milk and Cream
.....	2022 Dried Milk and Cream
6835 Fish, Prepared	2031 Fish & Fish Products, Incl Shellfish, Prep & Presvd
6838 Tallow, Animal Oils	2014 Tallow, Animal Fats and Oils
.....	2092 Animal Oils and Fats, Not Elsewhere Classified
6839 Animals & Prod. NEC	0151 Live Animals (Livestock) Excl Zoo Animals, Dogs, Etc
.....	0161 Animals and Animal Products, NEC
.....	2015 Animal By-Products, Not Elsewhere Classified
6856 Bananas & Plantains	0132 Bananas and Plantains
6857 Fruit & Nuts NEC	0131 Fresh Fruit
6858 Fruit Juices	2039 Fruit, Fruit & Vegetable Juices Canned, Prep, Presvd
6861 Sugar	2061 Sugar
6865 Molasses	2062 Molasses
6871 Coffee	0133 Coffee, Green and Roasted (Including Instant)
6872 Cocoa Beans	0134 Cocoa Beans
6885 Alcoholic Beverages	2081 Alcoholic Beverages
6887 Groceries	2094 Groceries
6888 Water & Ice	2095 Ice
.....	4111 Water
6889 Food Products NEC	2099 Miscellaneous Food Products
6891 Tobacco & Products	0121 Tobacco, Leaf
.....	2111 Tobacco Manufactured
6893 Cotton	0101 Cotton, Raw
6894 Natural Fibers NEC	2212 Textile Fibers, Not Elsewhere Classified

Publication Commodity Codes Cross Reference List (continued)
(sorted by 1994 commodity codes)

1994 Commodity	1989 Commodity
6899 Farm Products NEC	0129 Field Crops, Not Elsewhere Classified
.....	0191 Miscellaneous Farm Products
7110 Machinery (Not Elec)	3511 Machinery, Except Electrical
7120 Electrical Machinery	3611 Electrical Machinery, Equipment and Supplies
7210 Vehicles & Parts	3711 Motor Vehicles, Parts and Equipment
7220 Aircraft & Parts	3721 Aircraft and Parts
7230 Ships & Boats	3731 Ships and Boats
7300 Ordnance & Access.	1911 Ordnance and Accessories
7400 Manufac. Wood Prod.	2491 Wood Manufactures, Not Elsewhere Classified
7500 Textile Products	2211 Basic Textile Products, Except Textile Fibers
.....	2311 Apparel & Other Finished Textile Products, Inc Knit
.....	2823 Synthetic (Man-Made) Fiber
.....	4022 Textile Waste, Scrap and Sweepings
7600 Rubber & Plastic Pr.	2822 Synthetic Rubber
.....	3011 Rubber and Miscellaneous Plastic Products
7800 Empty Containers	4119 Empty Containers
7900 Manufac. Prod. NEC	2311 Apparel & Other Finished Textile Products, Inc Knit
7900 Manufac. Prod. NEC	2511 Furniture and Fixtures
.....	2711 Printed Matter
.....	3111 Leather and Leather Products
.....	3791 Miscellaneous Transportation Equipment
.....	3811 Instruments, Photographic/Optical Goods, Watches, Clk
.....	3911 Miscellaneous Products of Manufacturing
8900 Waste and Scrap NEC	4029 Waste and Scrap, Not Elsewhere Classified
9900 Unknown or NEC	4113 LCL Freight
.....	9999 Dept of Defense Controlled Cargo & Special Items

Publication Commodity Codes Cross Reference List
(sorted by 1989 commodity codes)

1994 Commodity	1989 Commodity
6893 Cotton	0101 Cotton, Raw
6443 Barley & Rye	0102 Barley and Rye
6344 Corn	0103 Corn
6445 Oats	0104 Oats
6442 Rice	0105 Rice
6447 Sorghum Grains	0106 Sorghum Grains
6241 Wheat	0107 Wheat
6522 Soybeans	0111 Soybeans
6534 Flaxseed	0112 Flaxseed
6521 Peanuts	0119 Oilseeds, Not Elsewhere Classified
6590 Oilseeds NEC	.....
6891 Tobacco & Products	0121 Tobacco, Leaf
6781 Hay & Fodder	0122 Hay and Fodder
6899 Farm Products NEC	0129 Field Crops, Not Elsewhere Classified
6857 Fruit & Nuts NEC	0131 Fresh Fruit
6856 Bananas & Plantains	0132 Bananas and Plantains
6871 Coffee	0133 Coffee, Green and Roasted (Including Instant)
6872 Cocoa Beans	0134 Cocoa Beans
6654 Vegetables & Prod.	0141 Fresh and Frozen Vegetables
6839 Animals & Prod. NEC	0151 Live Animals (Livestock) Excl Zoo Animals,Dogs,Etc
6839 Animals & Prod. NEC	0161 Animals and Animal Products, NEC
6899 Farm Products NEC	0191 Miscellaneous Farm Products
4110 Rubber & Gums	0841 Crude Rubber and Allied Gums
4190 Forest Products NEC	0861 Forest Products, Not Elsewhere Classified
6134 Fish (Not Shellfish)	0911 Fresh Fish, Except Shellfish
6136 Shellfish	0912 Shellfish, Except Prepared or Preserved
6134 Fish (Not Shellfish)	0913 Menhaden
4515 Marine Shells	0931 Marine Shells, Unmanufactured
4410 Iron Ore	1011 Iron Ore and Concentrates
4630 Copper Ore	1021 Copper Ore and Concentrates
4650 Aluminum Ore	1051 Bauxite and Other Aluminum Ores and Concentrates
4670 Manganese Ore	1061 Manganese Ores and Concentrates
4690 Non-Ferrous Ores NEC	1091 Nonferrous Metal Ores and Concentrates, NEC
1100 Coal & Lignite	1121 Coal and Lignite
2100 Crude Petroleum	1311 Crude Petroleum
4322 Limestone	1411 Limestone Flux and Calcareous Stone
4310 Building Stone	1412 Building Stone, Unworked
4331 Sand & Gravel	1442 Sand, Gravel and Crushed Rock
4782 Clay & Refrac. Mat.	1451 Clay, Ceramic and Refractory Materials
4327 Phosphate Rock	1471 Phosphate Rock
3190 Fert and Mixes NEC	1479 Natural Fertilizer Materials, NEC
4783 Salt	1491 Salt
4741 Sulphur, (Dry)	1492 Sulphur, Dry
3271 Sulphur (Liquid)	1493 Sulphur, Liquid
4323 Gypsum	1494 Gypsum, Crude and Plasters
4338 Soil & Fill Dirt	1499 Nonmetallic Minerals, Except Fuels, NEC
4900 Non-Metal. Min. NEC	.....
3293 Explosives	1911 Ordnance and Accessories
7300 Ordnance & Access.	.....
6811 Meat, Fresh, Frozen	2011 Meat, Fresh, Chilled, or Frozen
6817 Meat, Prepared	2012 Meat & Meat Products Prepared, Preserved or Canned

Publication Commodity Codes Cross Reference List (continued)
(sorted by 1989 commodity codes)

1994 Commodity	1989 Commodity
6838 Tallow, Animal Oils	2014 Tallow, Animal Fats and Oils
6839 Animals & Prod. NEC	2015 Animal By-Products, Not Elsewhere Classified
6822 Dairy Products	2021 Dairy Products, Except Dried Milk and Cream
6822 Dairy Products	2022 Dried Milk and Cream
6835 Fish, Prepared	2031 Fish & Fish Products, Incl Shellfish, Prep & Presvd
6654 Vegetables & Prod.	2034 Vegetables & Preparations, Canned, Prepared & Presvd
6858 Fruit Juices	2039 Fruit, Fruit & Vegetable Juices Canned, Prep, Presvd
6746 Wheat Flour	2041 Wheat Flour and Semolina
6782 Animal Feed, Prep.	2042 Animal Feeds
6747 Grain Mill Products	2049 Grain Mill Products, Not Elsewhere Classified
6861 Sugar	2061 Sugar
6865 Molasses	2062 Molasses
6885 Alcoholic Beverages	2081 Alcoholic Beverages
6653 Vegetable Oils	2091 Vegetable Oils, All Grades; Margarine & Shortening
6838 Tallow, Animal Oils	2092 Animal Oils and Fats, Not Elsewhere Classified
6887 Groceries	2094 Groceries
6888 Water & Ice	2095 Ice
6889 Food Products NEC	2099 Miscellaneous Food Products
6891 Tobacco & Products	2111 Tobacco Manufactures
7500 Textile Products	2211 Basic Textile Products, Except Textile Fibers
6894 Natural Fibers NEC	2212 Textile Fibers, Not Elsewhere Classified
7500 Textile Products	2311 Apparel & Other Finished Textile Products, Inc Knit
4170 Wood in the Rough	2411 Logs
4170 Wood in the Rough	2412 Rafted Logs
4150 Fuel Wood	2413 Fuel Wood, Charcoal and Wastes
4170 Wood in the Rough	2414 Timber, Posts, Poles, Piling & Other Wood in the Rough
4170 Wood in the Rough	2415 Pulpwood Logs
4161 Wood Chips	2416 Woodchips, Staves, Molding and Excelsior
4189 Lumber	2421 Lumber
5540 Primary Wood Prod.	2431 Veneer, Plywood and Other Worked Wood
7400 Manufac. Wood Prod.	2491 Wood Manufactures, Not Elsewhere Classified
7900 Manufac. Prod. NEC	2511 Furniture and Fixtures
4225 Pulp & Waste Paper	2611 Pulp
5110 Newsprint	2621 Standard Newsprint Paper
5120 Paper & Paperboard	2631 Paper and Paperboard
5190 Paper Products NEC	2691 Pulp, Paper and Paperboard Products, NEC
7900 Manufac. Prod. NEC	2711 Printed Matter
3274 Sodium Hydroxide	2810 Sodium Hydroxide (Caustic Soda)
3211 Acyclic Hydrocarbons	2811 Crude Products from Coal, Tar, Petroleum & Nat Gas
3219 Other Hydrocarbons	2811
3283 Coloring Mat. NEC	2812 Dyes, Organic Pigment, Dyeing & Tanning Materials
3220 Alcohols	2813 Alcohols
3281 Radioactive Material	2816 Radioactive & Associated Materials, Including Waste
3212 Benzene & Toluene	2817 Benzene and Toluene, Crude and Commercially Pure
3272 Sulphuric Acid	2818 Sulphuric Acid
3230 Carboxylic Acids	2819 Basic Chemicals & Basic Chemical Products, NEC
3240 Nitrogen Func. Comp.	.....
3250 Organo-Inorganic Comp	.....
3260 Organic Comp. NEC	.....
3273 Ammonia	.....
3275 Inorg Elem, Oxides, & Halogen Salts	.....
3276 Metallic Salts	.....

Publication Commodity Codes Cross Reference List (continued)
(sorted by 1989 commodity codes)

1994 Commodity	1989 Commodity
3279 Inorganic Chem. NEC	.....
3286 Plastics	2821 Plastics,Cellulose & Resins,Film,Sheeting,Laminate
7600 Rubber & Plastic Products	2822 Synthetic Rubber
7500 Textile Products	2823 Synthetic (Man-Made) Fiber
3284 Medicines	2831 Drugs (Biological Prod,Medicinal Chem,Pharmaceut)
3285 Perfumes & Cleansers	2841 Soap,Detergents & Cleaning Preps,Perfume,Cosmetics
3282 Pigments & Paints	2851 Paints, Varnishes, Lacquers, Enamels & Allied Prod
3298 Wood & Resin Chem.	2861 Gum and Wood Chemicals
3110 Nitrogenous Fert.	2871 Nitrogenous Chemical Fertilizers, Except Mixtures
3130 Potassic Fert.	2872 Potassic Chemical Fertilizers, Except Mixtures
3120 Phosphatic Fert.	2873 Phosphatic Chemical Fertilizers, Except Mixtures
3291 Pesticides	2876 Insecticides,Fungicides,Pesticides & Disinfectants
3190 Fert. & Mixes NEC	2879 Fertilizers and Fertilizer Materials, NEC
3292 Starches,Gluten,Glue	2891 Miscellaneous Chemical Products
3297 Chemical Additives	.....
3299 Chem. Products NEC	.....
2211 Gasoline	2911 Gasoline, Including Additives
2211 Gasoline	2912 Jet Fuel
2221 Kerosene	2913 Kerosene
2330 Distillate Fuel Oil	2914 Distillate Fuel Oil
2340 Residual Fuel Oil	2915 Lubricating Fuel Oil
2350 Lube Oil & Greases	2916 Lubricating Oil and Greases
2429 Naphtha & Solvents	2917 Naphtha, Mineral Spirits, Solvent, NEC
2430 Asphalt, Tar & Pitch	2918 Asphalt, Tar and Pitches
1200 Coke	2920 Coke, Including Petroleum Coke
2540 Petroleum Coke	.....
2640 Liquid Natural Gas	2921 Liquified Petroleum Gases,Coal Gas,Nat Gas/Liquid
5290 Misc. Mineral Prod.	2951 Asphalt Building Materials
2410 Petro. Jelly & Waxes	2991 Petroleum and Coal Products, NEC
2990 Petro. Products NEC	2991 Petroleum and Coal Products, NEC
7600 Rubber & Plastic Pr.	3011 Rubber and Miscellaneous Plastic Products
7900 Manufac. Prod. NEC	3111 Leather and Leather Products
5240 Glass & Glass Prod.	3211 Glass and Glass Products
5220 Cement & Concrete	3241 Building Cement
5290 Misc. Mineral Prod.	3251 Structural Clay Products, Including Refractories
5210 Lime	3271 Lime
5290 Misc. Mineral Prod.	3281 Cut Stone and Stone Products
5290 Misc. Mineral Prod.	3291 Miscellaneous Nonmetallic Mineral Products
5312 Pig Iron	3311 Pig Iron
4860 Slag	3312 Slag
2990 Petro. Products NEC	3313 Coke(coal & petroleum), petroleum pitches and asphalts, and naphtha and solvents
5320 I&S Primary Forms	3314 Iron and Steel Ingots and Other Primary Forms
5360 I&S Bars & Shapes	3315 Iron and Steel Bars,Rods,Angles,Shapes & Sections
5330 I&S Plates & Sheets	3316 Iron and Steel Plates and Sheets
5370 I&S Pipe & Tube	3317 Iron and Steel Pipe and Tube
5315 Ferro Alloys	3318 Ferroalloys
5390 Primary I&S NEC	3319 Primary Iron & Steel Prods,NEC Incl Rough Castings
5429 Smelted Prod. NEC	3321 Nonferrous Metals Primary Smelter Prod,Wire Castng
5421 Copper	3322 Copper & Copper Alloys, Refined,Unrefined,Unworked
5429 Smelted Prod. NEC	3323 Lead and Zinc Including Alloys, Unworked

Publication Commodity Codes Cross Reference List (continued)
(sorted by 1989 commodity codes)

1994 Commodity	1989 Commodity
5422 Aluminum	3324 Aluminum and Aluminum Alloys, Unworked
5480 Fab. Metal Products	3411 Fabricated Metal Prods, Exc Machinery, Transp Equip
7110 Machinery (Not Elec)	3511 Machinery, Except Electrical
7120 Electrical Machinery	3611 Electrical Machinery, Equipment and Supplies
7210 Vehicles & Parts	3711 Motor Vehicles, Parts and Equipment
7220 Aircraft & Parts	3721 Aircraft and Parts
7230 Ships & Boats	3731 Ships and Boats
7900 Manufac. Prod. NEC	3791 Miscellaneous Transportation Equipment
7900 Manufac. Prod. NEC	3811 Instruments, Photographic/Optical Goods, Watches, Clk
7900 Manufac. Prod. NEC	3911 Miscellaneous Products of Manufacturing
4420 Iron & Steel Scrap	4011 Iron and Steel Scrap
4680 Non-Ferrous Scrap	4012 Nonferrous Metal Scrap
7500 Textile Products	4022 Textile Waste, Scrap and Sweepings
4225 Pulp & Waste Paper	4024 Paper Waste and Scrap
4333 Dredged Material	4029 Waste and Scrap, NEC
8900 Waste and Scrap NEC	.....
6888 Water & Ice	4111 Water
9900 Unknown or NEC	4112 Misc Shipments not Identifiable by Commodity
9900 Unknown or NEC	4113 LCL Freight
0300 Passengers	4114 Passengers Only
0200 Vehicles	4115 Transported Vehicles (E.G. Ferried Autos)
0200 Vehicles	4116 Railway Cars (Loaded)
0200 Vehicles	4117 Railway Cars (Empty)
4335 Waterway Improv. Mat	4118 Waterway Improvement Materials, Govt Materials
7800 Empty Containers	4119 Empty Containers
9900 Unknown or NEC	9999 Dept of Defense Controlled Cargo & Special Items

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5	New York, NY, and NJ, and Ports on Long Island, NY	1988	15.50
6	Albany and Ports on Hudson River, NY	1996*	-
8	Philadelphia, PA; Camden, NJ; Wilmington, DE; and Ports on Delaware River	1984	10.00
10	Baltimore, MD	1991	8.00
11	Ports of Hampton Roads, and Ports on the James and York Rivers, VA	1993	26.00
12	Wilmington and Morehead City, NC	1987	7.00
13	Charleston and Georgetown, SC	1987	7.00
14	Savannah and Brunswick, GA	1990	7.50
15	Jacksonville and Fernandina Beach, FL	1986	7.00
16	Miami, Port Everglades, Palm Beach, and Port Canaveral, FL	1991	8.50
17	Tampa and Port Manatee, FL	1996*	-
18	Mobile, AL	1986	6.50
19	Panama City and Pensacola, FL; Pascagoula and Gulfport, MS; and Ports on the Apalachicola, Chattahoochee, and Flint Rivers	1986	9.50
20	New Orleans, LA	1990	10.00
20A	Mississippi River Ports Below and Above New Orleans, LA	1992	10.50
21	Baton Rouge and Lake Charles, LA	1990	11.00
22	Port Arthur, Beaumont, and Orange, TX	1988	8.00
23	Galveston and Texas City, TX	1995*	-
24	Houston, TX	1989	10.00
25	Corpus Christi, TX	1993	10.00
26	Freeport, Point Comfort/Port Lavaca, Brownsville, and Ports along Gulf Intracoastal Waterway, TX	1991	10.00
27	San Diego, CA	1987	6.50
28	Los Angeles, Long Beach, and Port Hueneme, CA	1985	8.50
30	San Francisco, Redwood City, and Humboldt Bay, CA	1991	8.00
31	Oakland, Alameda, Richmond, and Ports on Carquinez Strait, CA	1991	8.00
32	Sacramento, Stockton, Pittsburg and Antioch, Ca	1986	7.00
33	Coos Bay, OR and Ports on Columbia-Snake River System (Astoria, The Dalles, Boardman, and Umatilla, OR; Longview, Kalama, Vancouver, Pasco/Kennewick, Wilma, and Clarkston, WA; and Lewiston, ID)	1986	11.00
34	Portland, OR	1985	7.00
35	The Ports of Tacoma, Grays Harbor, and Olympia, WA	1993	13.00
36	Seattle, WA	1993	19.00
37	Port Angeles, Port Townsend, Everett, Anacortes, and Bellingham, WA.	1987	7.50
38	Ports of Alaska (Anchorage, Kenai, Valdez, Kodiak, Unalaska, Kotzebue, Nome, Bethel, Ketchikan, Wrangell, Petersburg, Sitka, Juneau, etc.)	1995*	-
39	Ports of Southwest and Western Alaska	1995	20.00
41	Buffalo, NY	1990	6.50
42	U.S. Ports on Lake Erie (Erie, PA; Conneaut, Ashtabula, Fairport Harbor, Lorain, Huron, and Sandusky, OH)	1990	8.50
43	Cleveland, OH	1989	7.00
44	Toledo, OH	1989	6.00
45	Detroit and Ports on the Saginaw River, MI	1996*	-
46	Chicago, IL	1995	20.00
48	The Port of Milwaukee, WI and Ports on Lake Michigan	1995	23.00
49	Duluth, MN; Superior, WI; Taconite Harbor, Silver Bay, and Two Harbors, MN; and Ashland, WI.	1987	6.50
50	Ports of Hawaii (Honolulu, Port Allen, Nawiliwili, Kahului, Kaunakakai, Kawaihae, and Hilo)	1987	7.00
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61	Huntington, WV, Ports on Ohio River Miles 40-317, and Kanawha River, WV.	1992	12.00
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68	Ports on the Missouri, Arkansas, Verdigris, White, and Ouachita Rivers	1987	10.00
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70	St. Louis, MO, and Ports on Upper Mississippi River Miles 0-300 AOR	1992	9.50
71	Memphis, TN; Helena, AR; and Ports on Lower Mississippi River Miles 620-954 AHP	1994	10.00
72	Natchez, Vicksburg, and Greenville, MS, and Ports on Lower Mississippi River Miles 255-620 AHP	1991	8.00

* Tentative date of publication.

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